

# Leadership

Leadership continues to contribute to Indiana's proud legacy of innovation in the state's life sciences industry. Our pharmaceutical industry ranks **fifth** in the United States in terms of sales, shipments, receipts and revenue. Indiana also has the **second** highest concentration of biopharmaceutical jobs in the nation. Indiana ranks between second and 12th in the United States in revenue for medical device sectors, with its orthopedics industry leading the way. In fact, the city of Warsaw is known as "The Orthopedic Device Capital of the World" and is home to at least 10 medical device manufacturers. Sales attributed to Indiana orthopedic companies top \$4 billion annually. Indiana is also home to Roche, the top medical diagnostics company in the world and the world's largest database of electronic medical records, which is based at the Regenstrief Institute in Indianapolis. In total, more than 578,000 Indiana jobs—one in nine of all jobs in the state—are directly or indirectly tied to the life sciences and health care industry and account for more than \$21 billion in wages and \$8 billion in federal and state taxes paid. Eighteen percent, or \$69 billion, of Indiana's economic output is tied to this industry.

## Indiana Health Industry Forum

The mission of the Indiana Health Industry Forum (IHIF) is to position Indiana as a premier state for the creation and growth of health industry enterprises. IHIF is a non-profit, private sector organization, and its members represent a private/public alliance of manufacturers, suppliers, educational institutions, health care providers, service providers and government. Since its inception in December of 1994, IHIF has worked to define the factors that lead to economic development success in Indiana's already significant health industry, and then to build programs supporting future growth for the industry in the state.

IHIF has acted as a catalyst, convener, innovator, coordinator and supporter of initiatives that advance the state's health-related enterprises. It has brought together diverse corporate, academic and public entities, and has heightened the general public's awareness of the health industry's growth potential and economic benefits.

All IHIF's efforts are directed toward achieving its strategic goals:

- Sustaining Indiana's investment in the industry's future through such programs as the 21st Century Research and Technology Fund.
- Shaping a vision for Indiana's economic development that focuses on the health industry.
- Increasing the strength of Indiana's health industry networks to build successful collaborations and to support the creation of new businesses.
- Supporting the industry's growth by stimulating the creation of effective workforce development programs.

IHIF collaborates with both public and private economic development organizations, industry advocates, universities and corporations. In this umbrella role, the organization serves as a clearinghouse and broker of resources and information, as well as a spokesperson on issues facing the industry.

Indiana Health Industry Forum  
351 West 10th Street, Suite 216  
Indianapolis, Indiana 46202  
Ph: (317) 278.9970  
[www.ihif.org](http://www.ihif.org)

# Leadership

## TechPoint

Techpoint is Indiana's only statewide technology trade group representing approximately 400 corporate members, including publicly-traded companies, private businesses, colleges and research universities, and local economic development organizations. The group's mission is to transform Indiana into a recognized technology leader by developing relevant policy, catalyzing change, and measuring the state's progress. TechPoint promotes technology-based enterprise and economic development through lobbying and government advocacy, educational and networking programs for its members, and strategic economic development initiatives. The organization also serves as a catalyst for growth in Indiana's emerging technology clusters, including advanced manufacturing, logistics, health and life sciences, and information technology.

TechPoint promotes technology-based economic development in Indiana through a variety of programs and services. Founded in 2002, TechPoint serves Indiana's broad technology community, including health and life sciences, advanced manufacturing and information technology.

In addition to advocating public policies and programs that contribute to technological innovation and achievement in Indiana, TechPoint provides networking opportunities and business, educational and mentoring services. TechPoint initiatives include:

- New Economy/New Rules: delivers monthly technology briefings by industry experts to video broadcast locations around the state, with a "live" presentation in Indianapolis.
- MIRA Awards: recognize stellar achievement on the part of technology companies around the state.

TechPoint serves as

- Advocate for proactive changes that enhance technology-based industry and employment in Indiana.
- Resource and partner in promoting the growth of technology-based, high-wage jobs and high-margin businesses across Indiana.
- Provide quality programming, networking and educational and mentoring opportunities for its members, as well as business services and resources that facilitate growth and competitiveness.

TechPoint  
6650 Telecom Drive, Suite 175  
Indianapolis, Indiana 46278  
Ph: (317) 275.2080  
[www.techpoint.org](http://www.techpoint.org)

## Indiana Medical Device Manufacturers Council, Inc (IMDMC)

The Indiana Medical Device Manufacturers Council, Inc. (IMDMC) is an association of over 50 medical device manufacturers and other companies that work closely with the medical device industry in Indiana. The IMDMC's mission includes:

- Serving as a voice for the Indiana medical device industry before legislatures and regulatory agencies
- Providing education, training and information to the medical device industry
- Working to foster economic growth that will benefit companies and citizens in Indiana
- Increasing awareness of the benefits that the Indiana medical device industry provides
- Facilitating interaction between members of this industry

IMDMC's home page provides: 1) notices of upcoming educational forums featuring key political, regulatory and business leaders from throughout the region and Washington, DC; 2) a listing of members and links to their Web sites; 3) a resource library of regulations, white papers and other timely and pertinent information pieces; 4) membership information including online application submission; 5) an overview of IMDMC's federal advocacy efforts on behalf of the membership; and 6) more information on how to get involved with this leader-oriented council.

IMDMC  
P.O. Box 441385  
Indianapolis, Indiana 46244  
Ph: (317) 951.1388  
[www.imdmc.org](http://www.imdmc.org)

# Indiana Business and Industry Resources

## BioCrossroads

[www.biocrossroads.com](http://www.biocrossroads.com)

BioCrossroads works to attract and create jobs, companies and entrepreneurial opportunities in Indiana's life sciences industry and uses world-class research capabilities to make central Indiana a center of innovation in the business of enhancing health. To accomplish this goal, BioCrossroads focuses on four priorities: developing specific collaborations between and within the region's research universities, government and private industry; building, retaining and attracting a critically-skilled life sciences workforce; establishing dedicated life sciences capital investments from public and private sources; and promoting greater awareness of central Indiana's life sciences assets and opportunities.

BioCrossroads  
300 North Meridian Street  
Suite 2440  
Indianapolis, Indiana 46204  
Ph: (317) 238.2450  
Fax: (317) 238.2451  
[www.biocrossroads.com](http://www.biocrossroads.com)

## Bloomington Life Sciences Partnership

[www.bloomingtonlifesciences.com](http://www.bloomingtonlifesciences.com)

Bloomington Life Sciences  
Partnership  
400 West Seventh Street  
Suite 101  
Bloomington, Indiana 47404  
Ph: (812) 335.7346  
Fax: (812) 335.7348  
[www.bloomingtonlifesciences.com](http://www.bloomingtonlifesciences.com)

Bloomington Life Sciences Partnership is a public-private partnership of health industry leaders, academia and government. Coalition partners include: manufacturers and support firms, health care delivery, academia and local government economic development organizations. Formed in February 2003 by Mayor John Fernandez, the Bloomington Life Sciences Partnership is designed to bring together leaders of local life science, medical and health related entities for collaboration.

## Indiana Chamber of Commerce

[www.indianachamber.com](http://www.indianachamber.com)

The Indiana Chamber of Commerce works with more than 16,000 member companies and customers. The Chamber assists members with navigating government regulations, understanding human resource issues, coping with economic changes and weathering the competition.

Indiana Chamber of Commerce  
115 W. Washington Street  
Suite 850 S.  
Indianapolis, Indiana 46244  
Ph: (317) 264.3110  
Fax: (317) 264.6855  
[www.indianachamber.com](http://www.indianachamber.com)

## Indiana Economic Development Corporation

[www.in.gov/iedc](http://www.in.gov/iedc)

Indiana Economic Development  
Corporation  
One North Capitol Avenue  
Suite 700  
Indianapolis, Indiana 46204  
Ph: (317) 232.8800  
Fax: (317) 233.5123  
[www.in.gov/iedc](http://www.in.gov/iedc)

The Indiana Economic Development Corporation (IEDC) is a public/private partnership charged with leading Indiana's economic development efforts. The IEDC, together with local economic development organizations, universities and corporate partners, work to create secure jobs, accelerate new businesses growth and improve the quality of life throughout Indiana. The collaboration of these entities supports a broad approach to developing key industries such as biotechnology and life sciences, advanced manufacturing and information technology.

# Indiana Business and Industry Resources

## Indiana Small Business Development Centers

[www.isbdc.org](http://www.isbdc.org)

The Indiana Small Business Development (SBDC) Network is dedicated to helping small businesses throughout Indiana achieve their goals of growth, expansion, innovation, increased productivity and success. Formed in 1985, the SBDC is an innovative partnership between the state of Indiana and the U.S. Small Business Administration. The Network is designed to effectively service small businesses. The 12 regional centers provide an SBDC office within driving distance of any potential client in Indiana.

Indiana Small Business  
Development Centers  
Central Indiana SBDC  
One Indiana Square, Suite 550  
Indianapolis, Indiana 46204  
Ph: (317) 233.7232  
[www.isbdc.org](http://www.isbdc.org)

## Indiana State Department of Health

[www.in.gov/isdh](http://www.in.gov/isdh)

Indiana State Department of Health  
2 North Meridian Street  
Indianapolis, Indiana 46204  
Ph: (317) 233.1325  
[www.in.gov/isdh](http://www.in.gov/isdh)

The Indiana State Department of Health serves to promote, protect and provide for the public health of the people in Indiana. To achieve a healthier Indiana, the State Department of Health actively works to promote the integration of public health and health care policy; strengthen partnerships with local health departments; collaborate with hospitals, providers, governmental agencies, businesses, insurance, industry and other health care entities; and support locally-based responsibility for the health of the community.

## Indiana Hospital & Health Association

[www.inhha.org](http://www.inhha.org)

The Indiana Hospital & Health Association is the professional trade association for 166 Hoosier hospitals and health systems. IHHA provides leadership, representation and services in the common best interests of its members as they promote the improvement of Indiana's community health status.

Indiana Hospital & Health  
Association  
One American Square, Suite 1900  
P.O. Box 82063  
Indianapolis, Indiana 46282  
Ph: (317) 423.7738  
[www.inhha.org](http://www.inhha.org)

## Indiana Health Industry Forum

[www.ihif.org](http://www.ihif.org)

Indiana Health Industry Forum  
351 West 10th Street, Suite 216  
Indianapolis, Indiana 46202  
Ph: (317) 278.9970  
Fax: (317) 278.9971  
[www.ihif.org](http://www.ihif.org)

The Indiana Health Industry Forum (IHIF) has worked to define the factors that lead to economic development success in Indiana's health industry, and then to build programs supporting future growth for the industry in the state. IHIF collaborates with public and private economic development organizations, industry advocates, academia and corporations. IHIF serves as a clearinghouse and broker of resources and information, as well as a spokesperson on issues facing the industry.

# Indiana Business and Industry Resources

## Indiana Medical Device Manufacturer's Council, Inc.

[www.imdmc.org](http://www.imdmc.org)

The Indiana Medical Device Manufacturer's Council (IMDMC) is an association of medical device manufacturers and other companies dedicated to promoting education and the interests of medical manufacturers in Indiana and Washington, D.C. The IMDMC serves as a spokesperson for the Indiana medical device industry before legislatures and regulatory agencies. The IMDMC also provides training, education, and information to the medical device industry.

Indiana Medical Device  
Manufacturer's Council, Inc.  
P.O. Box 441385  
Indianapolis, Indiana 46244  
Ph: (317) 951.1388  
[www.imdmc.org](http://www.imdmc.org)

## Indiana Venture Center, Inc.

[www.indianaventurecenter.org](http://www.indianaventurecenter.org)

Indiana Venture Center, Inc.  
902 North Capitol Avenue  
Suite 302  
Indianapolis, Indiana 46204  
Ph: (317) 684.6700  
Fax: (317) 684.6701  
[www.indianaventurecenter.org](http://www.indianaventurecenter.org)

The Indiana Venture Center, Inc. is a privately funded, not-for-profit organization serving as a catalyst for the creation and growth of entrepreneurial, high growth businesses in Indiana. The Indiana Venture Center strives to increase both the number and the quality of successful entrepreneurial companies in Indiana and provide new career opportunities to high knowledge workers. The Indiana Venture Center is on its way to becoming the leading organization in Indiana that provides assistance to potential high growth companies, both new and existing, and helps them move from concept to venture success.

## TechPoint

[www.techpoint.org](http://www.techpoint.org)

Techpoint is Indiana's only statewide technology trade group representing approximately 400 corporate members, including publicly-traded companies, private businesses, colleges and research universities, and local economic development organizations. The group's mission is to transform Indiana into a recognized technology leader by developing relevant policy, catalyzing change, and measuring the state's progress. TechPoint promotes technology-based enterprise and economic development through lobbying and government advocacy, educational and networking programs for its members, and strategic economic development initiatives. TechPoint serves as a catalyst for growth in Indiana's emerging technology clusters, including advanced manufacturing, logistics, health and life sciences, and information technology.

TechPoint  
6650 Telecom Drive, Suite 175  
Indianapolis, Indiana 46278  
Ph: (317) 275.2080  
[www.techpoint.org](http://www.techpoint.org)

## Venture Club of Indiana

[www.ventureclub.org](http://www.ventureclub.org)

Venture Club of Indiana  
135 North Pennsylvania  
Indianapolis, Indiana 46204  
Ph: (317) 684.5011  
Fax: (317) 684.5423  
[www.ventureclub.org](http://www.ventureclub.org)

The Venture Club of Indiana's mission is to be a catalyst for the creation and growth of entrepreneurial businesses by providing a unique environment in which sources of capital, entrepreneurs and business professionals interact, connect, share information, collaborate and create business opportunities.



# Indiana Business and Industry Resources

## Business Development Facilities

### Anderson Flagship Enterprise Center

[www.flagshipenterprise.org](http://www.flagshipenterprise.org)

The Flagship Enterprise Center is an innovative center for education, business incubation, technology transfer, and training which supports the economic development vision for the city of Anderson, Indiana. This center for business and technology will play a vital role in the creation of new business, the attraction of business from outside the region, the retention of existing business in Anderson and surrounding area, and for the expansion of promising business organizations which currently operate in Madison County.

Anderson Flagship Enterprise  
Center  
2701 Enterprise Drive  
Anderson, Indiana 46013  
Ph: (765) 622.0100  
[www.flagshipenterprise.org](http://www.flagshipenterprise.org)

### Indiana University Emerging Technologies Center

[www.iuetc.org](http://www.iuetc.org)

Indiana University Emerging  
Technologies Center  
351 West 10th Street  
Indianapolis, Indiana 46202  
Ph: (317) 278.4100  
Fax: (317) 278.4102  
[www.iuetc.org](http://www.iuetc.org)

The Indiana University Emerging Technologies Center functions as a business incubator and accelerator for life sciences, biotechnology and bioinformatics companies. The IUETC is dedicated to the mission of promoting Indiana University-Industry partnerships to foster economic growth. The companies entering the IUETC benefit from direct university contact and the support of the entire Indiana business community. The companies' business ventures must support health and life sciences technologies that will ultimately lead to economic gains and employment opportunities in Indiana.

### inVenture

[www.inventuretech.com](http://www.inventuretech.com)

inVenture, located in the Indiana University Research Park, is Bloomington's technology business incubator and entrepreneurial service center. inVenture provides management support and shared services to innovative, technology- and research-based businesses. inVenture is a partnership between Indiana University, the Small Business Development Center, City of Bloomington, Bloomington Economic Development Corporation, and the Greater Bloomington Chamber of Commerce.

inVenture  
501 North Morton Street  
Suite 106  
Bloomington, Indiana 47404  
Ph: (812) 335.7356  
Fax: (812) 335.7352  
[www.inventuretech.com](http://www.inventuretech.com)

### Northeast Indiana Innovation Center

[www.niic.net](http://www.niic.net)

Northeast Indiana Innovation  
Center  
1410 Production Road  
Fort Wayne, Indiana 46808  
[www.niic.net](http://www.niic.net)

The Innovation Center is dedicated to developing ideas and growing businesses by fostering an environment of innovation and providing a wealth of essential business resources to accelerate growth. The Innovation Center nurtures technology businesses by developing the venture during start-up, early development and growth stages.

# Indiana Business and Industry Resources

## Business Development Facilities

### Purdue Research Park

[www.purdueresearchpark.com](http://www.purdueresearchpark.com)

Purdue Research Park  
3000 Kent Avenue  
West Lafayette, Indiana 47906  
Ph: (765) 494.8645  
[www.purdueresearchpark.com](http://www.purdueresearchpark.com)

Purdue Research Park, which opened in 1961, is currently in the second phase of its development. The park is home to more than 90 companies that employ 2,500 people. Many of these companies are developing Purdue-licensed technologies. The park provides an interactive environment for private business/industry, mainly in the high-tech arena, and experienced Purdue University researchers.

### Rose-Hulman Ventures

[www.rhventures.org](http://www.rhventures.org)

Rose-Hulman Ventures, a department of Rose-Hulman Institute of Technology, provides educational opportunities for students and faculty while assisting technology-driven businesses. This unique combination creates career opportunities for new graduates and the development of innovative technologies and technology companies. Rose-Hulman Ventures is located on 180-acres in a 35,000 square-foot facility at Aleph Park, a Certified Technology Park, in Terre Haute, Indiana.

Rose-Hulman Ventures  
100 South Campus Drive  
P.O. Box 3799  
Terre Haute, Indiana 47803  
Ph: (812) 244.4000  
[www.rhventures.org](http://www.rhventures.org)

## Indiana Business News

### Inside Indiana Business

[www.insideindianabuusiness.com](http://www.insideindianabuusiness.com)

### Indiana Business Magazine

[www.indianabusiness.com](http://www.indianabusiness.com)

### Indiana Economic Digest

[www.indianaeconomicdigest.net](http://www.indianaeconomicdigest.net)

### Indianapolis Business Journal

[www.ibj.com](http://www.ibj.com)

### Indianapolis Star Newspaper

[www.indystar.com](http://www.indystar.com)

# Indiana Science and Technology Resources

## Birck Nanotechnology Center

[www.ecn.purdue.edu/NANO](http://www.ecn.purdue.edu/NANO)

The Birck Nanotechnology Center is a leading-edge national center that is advancing the frontiers of nanoscale research. Nanotechnology is an emerging science in which new materials and tiny structures are built atom-by-atom, or molecule-by-molecule, instead of the more conventional approach of sculpting parts from pre-existing materials. Just as antibiotics, the silicon transistor and plastics affected nearly every aspect of society in the 20th century, nanotechnology is expected to have profound influences in the 21st century. Six types of laboratory space are in the facility: clean room, biology, chemistry, epitaxial growth, measurement and characterization, and a nanotechnology incubator.

Birck Nanotechnology Center  
Purdue University  
465 Northwestern Avenue  
West Lafayette, Indiana 47907  
Ph: (765) 494.7053  
[www.ecn.purdue.edu/NANO](http://www.ecn.purdue.edu/NANO)

## Center for Nano Science and Technology

[www.nd.edu/~ndnano](http://www.nd.edu/~ndnano)

Center for Nano Science and  
Technology  
Department of Electrical Engineering  
Notre Dame, Indiana 46556  
Ph: (574) 631.8045  
[www.nd.edu/~ndnano](http://www.nd.edu/~ndnano)

The Center for Nano Science and Technology at the University of Notre Dame explores new device concepts and associated circuit architectures that are enabled by novel phenomena on the nanometer scale. The Center catalyzes multidisciplinary research and education at the intersection between chemistry and biochemistry, physics, electrical engineering, computer science and engineering.

## Center for Tropical Disease Research & Training

<http://ctdrt.bio.nd.edu>

The Center for Tropical Disease Research & Training (CTDRT) is an interdisciplinary group of the University of Notre Dame faculty. This center is committed to the research and teaching that is focused on human pathogens and their invertebrate and vertebrate vectors, the diseases caused by these organisms, and the impact of these diseases on human society. Members of CTDRT are concerned in particular with the impact of infectious diseases in less developed parts of the world, and research interests of center members range from biomedical science to issues of human rights.

Center for Tropical Disease  
Research and Training  
P.O. Box 369  
Department of Biological Sciences  
Notre Dame, Indiana 46556-0369  
Ph: (574) 631.8045  
<http://ctdrt.bio.nd.edu>

## Crane Division, Naval Surface Warfare Center

[www.crane.navy.mil](http://www.crane.navy.mil)

Crane Division  
Naval Surface Warfare Center  
Technology Transfer Program  
NAVSURWARCENDIV  
300 Highway 361  
Crane, Indiana 47522  
Ph: (812) 854.1762  
[www.crane.navy.mil](http://www.crane.navy.mil)

The Crane Division, Naval Surface Warfare Center (NSWC) located in Crane, Indiana, is a shore command of the U.S. Navy under the Naval Sea Systems Command headquartered in Washington, D.C. The focus of NSWC Crane is harnessing the acquisition and fleet support of electronics, ordinance and electronic warfare products and systems. The main facility is located in south-central Indiana with a detachment in Fallbrook, California. Crane has employees deployed around the world with their fleet. Major sponsors and industry partners are virtually at the sailor's side with the Distant Support technology.



# Indiana Science and Technology Resources

## Global Research Network Operations Center

<http://globalnoc.iu.edu>

The Global Research Network Operations Center (Global NOC) at Indiana University provides engineering and operations services for leading high performance research and education (R&E) networks, for international connections to U.S. and global R&E networks, and is undertaking research for support for Grid Operations. The mission of the Global NOC is to create and maintain the world's most advanced network engineering and operations service organization for global high performance research and education networking, thereby enabling the advancement of global research and education networks and the applications that utilize those networks.

Global Research Network  
Operations Center  
755 West Michigan  
Room 1180B  
Indianapolis, Indiana 46202  
Ph: (317) 278.6630  
<http://globalnoc.iu.edu>

## Human Performance Laboratory

[www.bsu.edu/hpl](http://www.bsu.edu/hpl)

Human Performance Laboratory  
Ball State University  
Health and Physical Activity Building  
Muncie, Indiana 47306  
Ph: (765) 285.1158  
[www.bsu.edu/hpl](http://www.bsu.edu/hpl)

The Human Performance Laboratory (HPL) at Ball State University was founded in 1965 and has a long history of applied exercise physiology research and training graduate students at the master and doctoral level. The HPGL has been involved in a variety of applied research topics since its inception, including carbohydrate metabolism, heat stress, fluid balance, over-training and tapering in runners, swimmers and cyclists. This applied approach continues today with the focus on limits of human performance and clinical investigations of aging, space flight, children and diabetes, to name a few.

## Indiana Genomics Initiative

[www.ingen.iu.edu](http://www.ingen.iu.edu)

The Indiana Genomics (INGEN) Initiative creates a world-class biomedical enterprise, which encompasses the strengths of the IU School of Medicine and the IU Office of Information Technology. The initiative is driven by the new data resulting from the Human Genome Project, which maps the genetic sequence found in humans. This initiative will enable researchers to make radical discoveries to cure diseases and improve the quality of human health.

Indiana Genomics Initiative  
IU School of Medicine  
1120 South Drive  
Fesler Hall 302  
Indianapolis, Indiana 46202-5114  
Ph: (317) 274.5000  
[www.ingen.in.edu](http://www.ingen.in.edu)

## Indiana University Research & Technology Center

<http://iurtc.iu.edu>

Indiana University Research &  
Technology Center  
351 West 10th Street  
Indianapolis, Indiana 46202  
Ph: (317) 278.1901  
<http://iurtc.iu.edu>

The Indiana University Research & Technology Corporation (IURTC) is a not-for-profit agency that facilitates industry-Indiana University research and technology collaborations. IURTC stimulates growth in Indiana's technology sectors by helping companies develop commercially viable technology, with the ultimate goal of creating jobs and growing the state's economy. As a technology transfer center, IURTC works to help businesses develop and commercialize new technologies. IURTC's support of commercially promising research and technology development is of direct benefit to the economic vitality of Indiana, the Midwest and the United States.

# Indiana Science and Technology Resources

## Interdisciplinary Center, Study of Biocomplexity

[www.nd.edu/~icsb](http://www.nd.edu/~icsb)

Biocomplexity is the study of the complex structures and behaviors that arise from the interaction of biological entities (molecules, cells, or organisms). While physical and chemical processes give rise to a great variety of spatial and temporal structures, the complexity of even the simplest biological phenomena is infinitely richer. The goal of the center is to meld physical, mathematical, and computational approaches with those of modern biology to understand this complexity in a quantitative and predictive way.

Interdisciplinary Center for the  
Study of Biocomplexity  
255 Hurley Hall  
University of Notre Dame  
Notre Dame, Indiana 46556  
Ph: (574) 631.4178  
[www.nd.edu/~icsb](http://www.nd.edu/~icsb)

## Office of Research and Technology Program

[www.purdue.edu/research](http://www.purdue.edu/research)

Office of Industry Research &  
Technology Program  
610 Purdue Mall  
Hovde Hall of Administration  
West Lafayette, Indiana 47907  
Ph: (765) 494.6209  
[www.purdue.edu/research](http://www.purdue.edu/research)

The Office of Industry Research and Technology Program promotes partnerships between Purdue University and the private sector. The office provides a single point of access to Purdue's broad range of research resources.

## Office of Technology Commercialization

[www.prf.org/otc](http://www.prf.org/otc)

The Office of Technology Commercialization (OTC) within the Purdue Research Foundation serves Purdue University through the commercialization of its intellectual property. OTC's programs and services span a broad range of activities to accomplish this mission making it one of the most comprehensive programs of its type among leading research universities.

Office of Technology  
Commercialization  
Purdue Research Foundation  
3000 Kent Avenue  
West Lafayette, Indiana 47906  
Ph: (765) 494.2610  
[www.prf.org/otc](http://www.prf.org/otc)

## Purdue Genomics Initiative

[www.genomics.purdue.edu](http://www.genomics.purdue.edu)

Purdue Genomics Initiative  
Purdue University  
Genomics Center, WSLR  
West Lafayette, Indiana 47907  
Ph: (765) 496.6328  
[www.genomics.purdue.edu](http://www.genomics.purdue.edu)

The mission of the Purdue Genomics Facility is the application of state-of-the-art genomics technologies to the development of sustainable agriculture in the 21st Century. Purdue Genomics is a three-part, integrated approach to genomic sciences. Three facilities--laboratory, database, and computation--provide a solid infrastructure for research, teaching, and extension efforts in this dynamic area.

# Indiana Science and Technology Resources

## Rose-Hulman Ventures

[www.rhventures.org](http://www.rhventures.org)

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Rose-Hulman Ventures  
1000 South Campus Drive  
P.O. Box 3790  
Terre Haute, Indiana 47803  
Ph: (812) 244.4000  
[www.rhventures.org](http://www.rhventures.org)

## State Science and Technology Institute

[www.ssti.org](http://www.ssti.org)

State Science and Technology  
Institute  
5015 Pine Creek Drive  
Westerville, Ohio 43081  
Ph: (614) 901.1690  
[www.ssti.org](http://www.ssti.org)

The Indiana Future Fund is a \$73 million fund-of-funds that has invested in regional and national venture capital funds, encouraging direct investment in Indiana life sciences opportunities. The Indiana Future Fund seeks to foster the creation and growth of life sciences companies in Indiana, encourage the growth of a vibrant Indiana-based venture capital community and facilitate public and private partnerships within the state.

## Technology Transfer

[www.nd.edu/~research/TechTransfer](http://www.nd.edu/~research/TechTransfer)

The goal of Technology Transfer at the University of Notre Dame is to provide a service to the university community while providing valuable new ideas to society. In this process, the Office of Research seeks to assist university developers of intellectual property in realizing the goals of their professional pursuits.

Technology Transfer  
University of Notre Dame  
Office of Research  
511 Main Building  
Notre Dame, Indiana 46556  
Ph: (574) 631.7432  
[www.nd.edu/~research/TechTransfer](http://www.nd.edu/~research/TechTransfer)

# Intellectual Capital

Intellectual capital is thriving in Indiana's life sciences fields. Thanks to its world-class research universities and innovators in the private sector, Indiana has a wealth of intellectual capital contributing to the state's life sciences industry. With the nation's second largest medical school and the largest university-based incubator, Indiana also has a vast collection of scientific and business experience.

## Encouraging Intellectual and Industrial Collaboration

### BioCrossroads

[www.biocrossroads.com](http://www.biocrossroads.com)

The state of Indiana, as well as other life sciences clusters located across the state, embraces BioCrossroads, which is the Indiana bioscience initiative. The BioCrossroads strategy targets new business development in specific sectors, including cardiovascular research, evidence-based medicine, protein analysis and cancer research. BioCrossroads was formed in 2002 by the Central Indiana Corporate Partnership; the central Indiana region's CEO leadership group with support from Eli Lilly and Company, Indiana University and Purdue University, the Indiana Health Industry Forum, and the city of Indianapolis.

BioCrossroads' commitment to growing new life sciences businesses based on areas of research strength has resulted in the development of three start-up companies: Indiana Centers for Applied Protein Sciences, the Indiana Health Information Exchange and Novus Sport. In addition, BioCrossroads developed a statewide agriculture strategy which has since been adopted by the state of Indiana.

### Indiana Center for Applied Protein Sciences

[www.indianacaps.org](http://www.indianacaps.org)

Indiana Centers for Applied Protein Sciences (INCAPS) provides technology validation, protein analysis services, instrumentation and technical support for academic and industry investigators. It also serves as a strong source of job creation in Indiana. INCAPS plays a vital and complementary role in building entrepreneurial capacity in life sciences since many start-up or early-stage companies cannot afford the investment in equipment and expertise. Target customers include pharmaceutical companies, small biotechnology companies, academic institutions and any other entities conducting proteomics or genomics research.

### Indiana Health Information Exchange

[www.ihie.com](http://www.ihie.com)

Indiana Health Information Exchange (IHIE) is a non-profit corporation for sharing clinical information among healthcare providers and other health care entities. The company uses a sophisticated, secure information exchange designed to protect patient privacy while at the same time enhancing the quality and efficiency of healthcare delivery. In addition, IHIE creates unparalleled research capabilities for health researchers and exhibits a successful model of health information exchange for the rest of the country. In fact, IHIE is already regarded as a national leader in this area by the U.S. Department of Health and Human Services. It was recognized by *U.S. News & World Report* as being "...at the forefront of an effort to streamline the nation's chaotic healthcare delivery system." This success has placed IHIE in a leadership position, as demonstrated by its selection to participate in an \$18.5 million federal contract to establish a national model for transmitting healthcare information.

### Novus Sport

[www.novussport.com](http://www.novussport.com)

Novus Sport was created in 2004 to recognize, champion and advance early-stage opportunities related to sports science and technology. Because of central Indiana's reputation as the collegiate and "Amateur Sports Capital of the World", Novus Sport is uniquely positioned to take advantage of new business opportunities in an area that is referred to as sports-related life sciences, which holds significant economic development opportunity for Indiana.





## Business Incubators Nurturing Indiana's Start-Ups

Indiana strives to help entrepreneurs, especially those in the life sciences industry. The state boasts many business incubators to help encourage the growth of start-up companies.

- Located near the Indiana University School of Medicine in Indianapolis, Indiana University opened the Emerging Technologies Center. The center is a 63,000 square-foot business incubator housing bioscience businesses and the Indiana Health Industry Forum. There are currently 21 bioscience businesses housed in the Emerging Technologies Center. The city of Indianapolis contributed \$500,000 towards the center.
- Purdue Research Park, located in West Lafayette, operates three wet-lab capable units among its complex of five incubators and multi-tenant facilities.
  - The Business Technology Center is a 28,000 square-foot multi-tenant space.
  - The Purdue Technology Center is a 60,000 square-foot incubator that was donated by the Purdue Research Foundation and has no mortgage to service.
  - The Innovation Center is a 48,000 square-foot, market-rate multi-tenant facility.
- The Northeast Indiana Innovation Center, an incubator located in Fort Wayne, is growing their region's bioscience industry by capitalizing on the people and technology located in northeast Indiana. The Innovation Center focuses on the attraction, retention and creation of job employment through technology-based companies. One section of the center is dedicated to bioscience and biomedical companies that are wet and dry lab capable. The facility is adjacent to Indiana University-Purdue University Fort Wayne, which allows university and commercial collaboration.
- In Terre Haute, the Lilly Endowment, Inc. contributed between \$25 million and \$30 million to Rose-Hulman Institute of Technology to open a combined incubator and a seed fund called Rose-Hulman Ventures. The 35,000 square-foot incubator is wet-lab capable and has medical device tenants. Rose-Hulman Ventures is focused on providing unique educational opportunities for students by assisting technology-driven businesses in the development of new products and services.
- Invetrek Technology Park located in Kokomo is one of the most recent incubation programs in the north central Indiana region. This technology park aims to provide opportunities for emerging technology-based businesses to participate in a stimulation work environment designed to recognize their full potential. Benchmark Mechanical Inc., a start-up company located within the Park, targets the health care industry as a mechanical contracting company. Other areas of focus involve institutional and commercial markets.

## The Lilly Endowment

[www.lillyendowment.org](http://www.lillyendowment.org)

Eli Lilly and Company is crucial to the development of Indiana as a life sciences state. With the help of its private family foundation, Lilly Endowment, Inc., many initiatives, research facilities and projects have been given the monetary support needed to get off the ground. The Endowment awards educational grants to continue retaining the most talented minds and assist with university efforts to achieve higher levels of excellence.

In February 2004, the Endowment announced a \$100 million program, called "The Initiative to Recruit and Retain Intellectual Capital for Indiana Higher Education Initiatives." This program will enhance faculty recruitment, upgrade science labs and development research programs. University projects funded through this initiative include:

- **Indiana Metabolomics and Cytomics (METACyt) Initiative:** Funded by a \$53 million grant, METACyt builds on the existing foundation of genomic and proteomic research taking place at Indiana University.
- **Ball State Intellectual Capital Plan:** Through a four-year, \$4.9 million grant, this plan seeks to attract and retain high-quality faculty and students, as well as to sponsor research that will lead to economic development.

The largest single grant awarded by the Endowment was to the Indiana Genomics (INGEN) Initiative at the IU School of Medicine in 2001 for \$105 million. The grant will allow for faculty recruitment, including salary support for research staff and improvements to existing laboratories. This support has been leveraged by Indiana University to raise additional private funds for the construction of several new buildings on the Indianapolis campus, including a medical informatics building at the downtown technology park on land donated by the city of Indianapolis, and a new biomedical research and training complex at the Medical School.

## Workforce Assets

The **Skills Enhancement Fund (SEF)** provides financial assistance to new and expanding companies committed to training their Indiana resident workforce. Eligible companies can receive reimbursement of up to 50 percent of eligible training costs. Indiana continues this commitment to training by allowing companies to re-apply for additional funds to retrain employees after a two-year period. The Indiana Economic Development Corporation administers this program.

The **Technology Enhancement Certification for Hoosiers (TECH) Fund** provides financial assistance to companies to assist with training their information technology workers. Eligible companies may receive reimbursement of up to \$50,000, \$2,500 per employee, or 50 percent of training costs, whichever is less. The program is administered on a reimbursement basis and is administered by the Indiana Economic Development Corporation.

With the rising use of advanced technology in manufacturing activities, education and training have become a major industry issue. The **Training Acceleration Grant** program provides financial assistance to companies committed to expanding the skills of their workforce through training programs that result in industry-recognized credentials. The Indiana Economic Development Corporation and the Indiana Department of Workforce Development jointly administer this program.

The Indianapolis Private Industry Council Inc. (IPIC) recently was awarded a \$1 million federal grant to undertake a two-year, multi-pronged project that will give workers the skills they need to compete for jobs in the health care delivery and biotechnology industries now and in the future. This grant is being called the **Indianapolis Private Industry Council Biotechnology Worker Training Grant**.

As a National Affiliate Training Center for **Project Lead the Way, Inc (PLTW)**., Purdue University School of Technology at Kokomo offers courses to prepare teachers from Indiana to teach the PLTW pre-engineering and engineering technology program. PLTW is a non-for-profit organization partnering with public schools, organizations in the private sector and higher education institutions to increase the number and quality of engineers and engineering technologist graduating from our educational system. The program is partially funded by Charitable Venture Foundation, which is a private foundation located in Clifton Park, New York. PLTW has a support staff of experienced technology educators, and college and university partners to support schools as they implement this curriculum.

As a statewide, open-access, community college, **Ivy Tech Community College of Indiana** provides residents of Indiana with professional, technical, transfer, and lifelong education for successful careers, personal development, and citizenship. Through its affordable, quality educational programs and services, the College strengthens Indiana's economy and enhances its cultural development. Recently, Ivy Tech announced that they will offer new associate degree programs in biotechnology to offer Indiana a more educated workforce. These new degree programs were a result of Ivy Tech and Indiana University's partnership to boost the retention of college graduates in Indiana. Funded in part with a \$2.5 million grant from the Lilly Endowment, Ivy Tech's biotechnology programs serve three key segments of Indiana's current and future economy: medical manufacturing, pharmaceuticals and agriculture.

# Intellectual Capital

## Colleges and Universities

Indiana is home to 75 world-class colleges and universities, including names such as Notre Dame University, Purdue University, Indiana University, Rose-Hulman Institute of Technology and others. These institutions play a significant role in the global success of Indiana businesses, from helping to mold brilliant minds to nurturing new industries through research and incubation programs.

- DePauw University is ranked eighth among over 800 liberal arts colleges as the source of top business executives, according to Standard & Poor's and is a top source for Fortune 500 CEO's.
- Ball State University was named one of 13 "Institutions of Excellence in the First College Year" by the national Policy Center on the First Year of College in 2003.
- Purdue University ranked among the top 25 public universities nationally, and its undergraduate programs in engineering and business are among the best in the country, according to U.S. News & World Report. Purdue University's Krannert School of Management is ranked by the Wall Street Journal as the number one regional MBA program.
- Rose-Hulman Institute of Technology was named by U.S. News & World Report as the best undergraduate engineering school in the nation.

Indiana has bright minds teaching and educating in its colleges and universities. Each one of the state's 75 colleges and universities has its own unique and distinct focus.

## Ball State University

[www.bsu.edu](http://www.bsu.edu)

The university began as a private normal school that opened in 1899. Eventually, the campus and buildings were purchased by the Ball brothers, Muncie industrialists, and given to the state of Indiana in 1918. The institution became a university in 1965. More than 20,500 graduate and undergraduate students are enrolled on and off campus. Out-of-state students make up 10.5 percent of campus enrollment and students of color comprise 8 percent.

The university has completed a secure broadband wireless network that provides Internet access to students, faculty, and staff. Fiber optic voice, data and visual networks link classrooms, laboratories, residence halls and offices across campus. University Computing Services operates 14 general-purpose computer labs, including an adaptive technology lab, two computer-based testing labs, two high-end graphics labs, and one 24-hour computer lab, with at least one lab in each academic building. In addition, more than 40 departmental labs are equipped to assist students.

- Intel Corporation rates Ball State as the number one wireless campus in the nation.
- The Princeton Review named Ball State a "Best in the Midwest" university for 2006, one of 158 schools receiving the designation.
- Ball State was named one of 13 "Institutions of Excellence in the First College Year" by the National Policy Center on the First Year of College.
- U.S. News & World Report rates Ball State's campuswide, interdisciplinary efforts to assist students with the transition from high school to college as a "program to look for" in the first-year experiences category.

# Intellectual Capital

## Ball State University

[www.bsu.edu](http://www.bsu.edu)

### School of Nursing

[www.bsu.edu/nursing](http://www.bsu.edu/nursing)

The Ball State School of Nursing is committed to the philosophy of nursing across the lifespan. Nursing students learn to help people maintain health and wellness as well as to care for ill individuals and groups. Ball State's programs allow students to pursue clinical study in a variety of health care settings, including hospitals, extended care facilities, clinics, homes, and community health agencies. Individual faculty attention and guidance ensures students will receive the support necessary for excellent learning experiences.

The mission at Ball State University School of Nursing is to promote academic and clinical challenge, achievement, team work, and problem solving

- Ball State's online master's program in nursing has been listed as the second largest in the country, according to U.S. News & World Report.

- The Baccalaureate and Master's Nursing Programs are accredited by the National League for Nursing Accrediting Commission. The Baccalaureate Nursing program is also approved by the Indiana State Board of Nursing.

### College of Applied Sciences and Technology

[www.bsu.edu/cast](http://www.bsu.edu/cast)

The College of Applied Sciences and Technology at Ball State University has one of the top five programs nationally for preparing teachers of technology education, as well as one of the few aquatics majors in the nation. Internships are an integral part of most of these programs, and many of Ball State's students land impressive assignments. For instance, some sports administration majors intern with professional sports teams. Nearly 100 percent of the nursing and dietetic students regularly pass important licensing exams. Ball State's online master's degree program in nursing is ranked by U.S. News & World Report as the second largest in the nation. Ball State is one of the few universities offering programs in gerontology at both the undergraduate and graduate levels and was recognized for offering the "most comprehensive graduate gerontology program in the state" by Derek Stepp, executive director of the Association for Gerontology in Higher Education. The Human Performance Lab is internationally renowned for studying exercise and its effects on human physiology. The center's researchers are working with NASA astronauts and Russian cosmonauts to study the effects of long space missions on muscle tissue.

### Miller College of Business

[www.bsu.edu/entrepreneurship](http://www.bsu.edu/entrepreneurship)

- Named number one entrepreneurship program in regional universities according to Entrepreneur Magazine
- Named one of the top five business schools for entrepreneurship by U.S. News & World Report
- Recipient of three consecutive State of Indiana Quality Improvement Award
- Recipient of the National Federation of Independent Business Excellence Award
- The graduate entrepreneurship program is ranked 26th in U.S. News & World Report's 2005 rankings of graduate programs offered by business schools.

Ball State's nationally ranked graduate program in entrepreneurship prepares you for a dynamic, creative way of doing business that can be applied to new venture start-ups, as well as to the corporate environment. Students will gain insight into managing entrepreneurial growth and strategy and internal corporate venturing.

Completion of a major innovative project is a requirement for this 30-hour concentration. The project may be developed around a corporation's future strategic innovation or another entrepreneurial endeavor of particular interest to you.

Risk, vision, and spirit are at the heart of the remarkable success of Ball State University's entrepreneurship program and its graduates. Achieving top national rankings since it was founded more than 20 years ago, the program has become well known as the "ultimate entrepreneurial experience."

Ball State has established a solid position at the forefront of entrepreneurial education, research, and innovation, with a commitment to outreach and research through the Midwest Entrepreneurial Education Center and as home base for the National Consortium of Entrepreneurship Centers.

### Human Performance Lab

[www.bsu.edu/hpl](http://www.bsu.edu/hpl)

The Human Performance Laboratory is a 16,000 square foot building containing a large general testing lab, a strength testing lab, a general biochemistry lab, a single fiber physiology lab, and a molecular biology lab. These labs contain the equipment for exercise testing, metabolic measurements, studies of environmental heat and cold stress, cardiovascular measurements, strength evaluation, body composition and bone health, and biochemical analysis of body tissue and fluids.

#### Biochemistry Laboratory

The general biochemistry room is the basic laboratory equipped to do a variety of bench-top chemistries in the analysis of blood and muscle. It is also the laboratory where single muscle fiber electrophoresis, staining and Western blotting are done. It is also the source for the distilled water used in all the laboratories.

#### Endocrine Laboratory

This laboratory is equipped with a gamma counter that enables us to measure any plasma or tissue derived hormone. The facility also houses the preparation and analysis site for the ongoing animal studies at the HPL.

Isolated muscles are exposed to in vitro incubation at the animal facility of the Ball State University School of Medicine training facility across campus, and are then brought back to the Human Performance Lab Endocrinology for analysis.

#### Molecular Biology and Cell Laboratory

One of the newest additions to the Human Performance Laboratory is the Molecular Biology and Cell Laboratory. A primary goal of the Molecular Biology and Cell Laboratory is studying changes in gene expression, especially at the level of transcriptional regulation.

#### Physiological Testing Laboratory

In the Physiological testing Lab researchers test subjects on equipment such as treadmill (Quinton 18-60) or electrically braked cycle ergometer (Lode Excalibur). VO<sub>2</sub> measurements are made using Applied Electrochemistry oxygen (S-3A/I) and carbon dioxide (CD-3A) analyzers with custom software.

#### Single Fiber Laboratory

In the Single Fiber Laboratory laboratory researchers are able to evaluate the physiological characteristics of muscle fibers. Using the specialized equipment and microscopic techniques allows for a measure of peak force and the maximal shortening velocity (V<sub>o</sub>) of individual fibers. The Laboratory have used this technique to investigate muscle changes in subjects ranging from astronauts to the aging population.

#### Environmental Chamber

The environmental chamber (Tenny Engineering) measures 11 x 16 feet and allows for simulation of exercise in various conditions. The chamber is capable of controlling temperature from 50 c to 650 c as well as controlling humidity.

#### Refrigerator Room

The refrigeration room houses 5 ultra freezers (Formal Scientific) which cool physiological samples to -80 degrees celsius. The room also contains several conventional freezers and refrigerators.

#### Student Study Area

One of the viewpoints of the Human performance Laboratory is the importance of the "hands on" experience for students. To ensure that all students have ample opportunities to interact and participate in projects each student is provided with an individual study carrol. The study area, housed within the Human Performance Laboratory, also provides for internet access for students with wired and wireless internet access.



## Indiana University

[www.indiana.edu](http://www.indiana.edu)

Indiana University has eight campuses: the original campus in Bloomington, which is a residential campus; an urban campus in Indianapolis, which also includes the IU Medical Center; and six regional campuses in the Indiana cities of Gary, South Bend, Fort Wayne, Kokomo, Richmond, and New Albany. IU has:

- More than 92,000 students on its eight campuses
- 922 degree programs
- Almost 475,000 living alumni, including 230,000 working in Indiana
- An annual operating budget of \$2.2 billion
- 16,000 employees, including faculty and professional and support staff
- More than 150 research centers and institutes
- An endowment of more than \$1 billion

Indiana University is internationally known for the quality of its academic programs and attracts students from all over the world. At the same time, IU plays a key role in the economic and social well-being of Indiana residents, offering educational, cultural, and economic benefits to the state.

- IU is home to the country's largest School of Nursing, with strong baccalaureate and research programs
- More than 230,000 IU alumni work in Indiana. More than 50% of Indiana's physicians, 64% of optometrists, 35% of teachers, 75% of lawyers, and 90% of dentists are IU graduates.
- The IU School of Medicine is the nation's second largest medical school.
- Indiana University is also home to the nation's largest university-based incubator.

## Indiana University School of Medicine

[www.medicine.iu.edu](http://www.medicine.iu.edu)

Since its creation in 1903, the IU School of Medicine has been responsible for providing medical education within the state of Indiana. The School of Medicine is always at the forefront of clinical research. Currently, research is being done on surgical implantation of an electrical stimulator in the thalamus that can disrupt the circuits that lead to epileptic seizures. Dr. Linda Malkus is developing a lab test that uses a sample of a patient's blood to detect cancer. This research will revolutionize the way cancer can be detected by making it faster, easier and sooner.

- Over 600 graduates from Informatics degree programs since 2000
- Over 1,400 students enrolled in Informatics programs
- IUPUI Informatics Complex now providing state-of-the-art classroom and research space
- Informatics growing at South Bend and planned for other IU campuses
- Nation's first Ph.D. in Informatics available fall 2005
- Department of Computer Science in Bloomington joins School of Informatics July 1, 2005

### Center for Genomics and Bioinformatics

[www.cgb.indiana.edu](http://www.cgb.indiana.edu)

The Center for Genomics and Bioinformatics (CGB) is a multidisciplinary research center that carries out independent research in genomics and bioinformatics. It is only five years old, but it has already brought \$21 million to Indiana University in Bloomington, Indiana. The money is being used for research, mapping genomes and adding approximately forty new scientists and faculty. The CGB has also received crucial financial support from two Lilly Endowment, Inc. awards to Indiana University: the Indiana Genomics Initiative and the Indiana Metabolomics and Cytomics Initiative.

- **Indiana Genomics (INGEN) Initiative:** The INGEN initiative creates a world-class biomedical enterprise, which encompasses the strengths of the IU School of Medicine and the IU Office of Information Technology. The initiative is driven by the new data resulting from the Human Genome Project, which maps the genetic sequence found in humans. This initiative will enable researchers to make radical discoveries to cure diseases and improve the quality of human health.
- **Indiana Metabolomics and Cytomics (METACyt):** METACyt seeks to advance life sciences research in the emerging fields of metabolomics and cytomics, which are shedding light on cell metabolism and function. As scientists and research get closer to utilizing the human genome findings, metabolomics and cytomics research promises to answer vital questions about cancer and other diseases. This research will lead to faster diagnoses and more effective health treatments. METACyt strives to ensure that life sciences discoveries result in a full range of scientific, educational and related economic benefits for Indiana.

### School of Informatics

[www.informatics.indiana.edu](http://www.informatics.indiana.edu)

The nation's first School of Informatics is growing on the Indiana University campuses in Bloomington and Indianapolis, with over 800 undergraduate majors now enrolled in Informatics and New Media programs. IU offers a unique curriculum that combines IT concepts with another area of study, opening rewarding career opportunities for graduates.

Informatics offers MS degrees in Bioinformatics, Chemical Informatics, Human-Computer Interaction (HCI), New Media - Graduate Program, Laboratory Informatics and Health Informatics. The school is also at the forefront of research having just established the Informatics Research Institute, with two major federal grants at the outset.

Informatics studies the application of Information Technology to the arts, sciences and professions. The Indiana University School of Informatics has set as its goal to be nationally recognized as the foremost in the country for excellence and leadership in Informatics programs, including undergraduate and graduate education, research, placement and outreach.

IU believe there is great need and opportunity for professionals trained in state-of-the-art information technology and science with an emphasis on creative human applications. There is an urgent need in our society for graduates with education and experience in informatics, particularly with interdisciplinary skills. The School of Informatics will be foremost in the country to graduate professionals with formal preparation in Information Technology with subject area expertise.

- Indiana University's School of Informatics is the very first of its kind in the country.
- Over 600 graduates from Informatics degree programs since 2000
- Over 1,400 students enrolled in Informatics programs
- IUPUI Informatics Complex now providing state-of-the-art classroom and research space
- Informatics growing at South Bend and planned for other IU campuses
- Nation's first Ph.D. in Informatics available fall 2005
- Department of Computer Science in Bloomington joins School of Informatics July 1, 2005

### Department of Chemistry

[www.chem.indiana.edu](http://www.chem.indiana.edu)

The Department of Chemistry at Indiana University is the center of excellence for synthetic organic chemistry, as well as a long history of distinguished contributions to theoretical chemistry. Currently, the department is developing exciting new programs in many emerging interdisciplinary areas such as in materials chemistry, nanoscale structures, biological materials, environmental chemistry, and proteomics. In spring of 2005, the Chemistry Department began construction of Simon Hall, a \$55.7 million multidisciplinary science research building. Upon completion in November of 2006, it will provide laboratories and offices for researchers from several disciplines including chemistry, biology and physics.

The Linda and Jack Gill Center for Biomolecular Science was established to advance the understanding of complex biological processes and to train next generation scientists in state-of-the-art biomolecular measurements, especially in the field of neuroscience. Collaborations include Indiana University's world-class Department of Biology, Department of Chemistry, Department of Physics, Department of Psychological and Brain Science, Department of Neuroscience and the IU School of Medicine.

### Department of Biology

[www.bio.indiana.edu](http://www.bio.indiana.edu)

The Department of Biology at Indiana University combines a rich tradition of excellence with modern and multi-disciplinary coverage of the major areas of biology including animal behavior, biochemistry, cell biology, developmental biology, ecology, evolution, genetics, genomics, microbiology, molecular biology, and plant biology.

### The Johnson Center for Entrepreneurship & Innovation [www.bus.indiana.edu/jcei](http://www.bus.indiana.edu/jcei)

The Johnson Center for Entrepreneurship and Innovation facilitates cross-campus entrepreneurial initiatives in the life sciences, biotechnology and other emerging technologies that foster the development of commercially viable enterprises. **It was ranked as one of "The Top Ten Most Entrepreneurial Campuses in the United States" by Forbes Magazine.**

# Intellectual Capital

## Purdue University

[www.purdue.edu](http://www.purdue.edu)

Purdue University is a coeducational, state-assisted system in Indiana. Founded in 1869 and named after benefactor John Purdue, the University is one of the nation's leading research institutions with a reputation for excellent and affordable education. System-wide enrollment is almost 70,000 students, representing 50 states and 130 countries. The main campus is in West Lafayette, Indiana, approximately 126 miles southeast of Chicago and 65 miles north of Indianapolis. The statewide Purdue University system includes five campuses. Building upon historical strengths in engineering and agriculture, the West Lafayette campus currently offers 7,400 courses in more than 500 undergraduate majors and specializations in the schools of Agriculture, Consumer and Family Sciences, Education, Engineering, Health Sciences, Liberal Arts, Management, Nursing, Pharmacy and Pharmacal Sciences, Science, Technology, and Veterinary Medicine. Programs of graduate study and research leading to advanced degrees fall under the jurisdiction of the Graduate School.

- Purdue University's graduate programs in engineering consistently rank among the best in the country, and our programs are getting stronger. According to the U.S. News & World Report publication, "America's Best Graduate Schools 2006," Purdue graduate engineering programs are ranked 10th overall among schools nationwide.

- The MBA program is ranked 18th by BusinessWeek - America's Best Executive MBA Programs.

- Purdue Agriculture and Biology Engineering department was ranked #1 in the undergraduate specialty rankings for agricultural engineering

## College of Engineering

[www.engineering.purdue.edu](http://www.engineering.purdue.edu)

Since its founding in 1869, Purdue has built a reputation for educating outstanding engineers--people who create technological products and processes that make the world a better place. Today, the Purdue engineering program is renowned as one of the largest and most respected engineering schools in the world. Purdue leads the nation as the institution that has granted the most engineering degrees to women. There are also more than 6,300 undergraduates and 1,800 graduate students each year, who take a rigorous course of study, selecting from 13 ABET accredited programs or designing their own academic program. And outside the classroom, our students race cross-country in sun-powered vehicles, test their mettle in Purdue's Engineering Olympics (a skewed version of the Greek original), build Mini-Baja go-carts for an annual competition, organize the country's largest student-run job fair, and more—all through 60-plus student organizations. Approximately 15 percent of our undergraduates co-op, enriching their classroom education with on-the-job experience.

- Purdue's graduate engineering programs is currently ranked 10th overall in the nation

- Purdue's undergraduate engineering programs is currently the 8th ranked program in the country

*Source: U.S. News and World Report, Spring 2005*

## Department of Chemistry

[www.chem.purdue.edu](http://www.chem.purdue.edu)

The Department of Chemistry is one of the largest and most distinguished instructional units at Purdue University, a role it has assumed since Purdue first opened its doors to students. On-going research in this department encompasses a broad range of subjects including:

- Enzyme mechanisms and protein atomic structure
- Application of computational techniques to analyze molecular structure
- Cellular signaling
- Patterns of development in eukaryotic organisms
- Microbiology
- Molecular and cellular neurobiology
- Molecular genetics
- Molecular analysis of genetic diseases
- Patterns of evolution in speciation
- Environmental factors affecting biodiversity

Purdue University is also host to a 40-acre Discovery Park, which is a collection of interdisciplinary research programs. The Park, which was unveiled in 2001, received \$25 million in support from the Lilly Endowment in January 2005, in addition to the \$25 million it received in 2001. Of the most recent \$25 million awarded, \$10 million is designated to the creation of four new interdisciplinary research centers. The facilities and programs in the Park have not been designed around existing academic disciplines at Purdue. Instead, the Park has concentrated on new interdisciplinary areas that have the potential to hold great promise for new discoveries and new economic opportunities, including: entrepreneurship, e-Enterprise, manufacturing, nanotechnology, bioscience, learning center, cyber center, environment, oncological and energy.

Currently, the complex includes the Burton D. Morgan Center for Entrepreneurship, the Birck Nanotechnology Center, the Bindley Bioscience Center and the e-Enterprise Center. Each center involves an interdisciplinary strategy for students to interact with new methods of research, new approaches to learning and new opportunities beyond the campus. The Burton D. Morgan Center for Entrepreneurship has created strong ties with each center in the Discovery Park. The center teaches students and faculty strategies for economic development that come with breakthroughs in research and development.

By offering nanotechnology research and development at Discovery Park, Purdue is becoming a national leader in this emerging science. The Birck Nanotechnology Center is 187,000 sq.ft. state-of-the-art facility, that is part of a 50-acre development in the Park. The nanotechnology center is conducting significant research to improve the diagnosis of diseases and the use of new materials, structures and devices to help the diagnosis process. Additionally, the nanotechnology center has incorporated an incubator into its overall plan to support and conduct tech transfers and entrepreneurship.



## Rose-Hulman Institute of Technology

[www.rose-hulman.edu](http://www.rose-hulman.edu)

Rose-Hulman Institute of Technology is one of the nation's few private colleges that specializes in undergraduate engineering, mathematics and science education.

Rose-Hulman has earned a reputation as one of the nation's leading independent colleges because of its educational philosophy that focuses on small classes, outstanding teachers, and an innovative curriculum, which are supported by modern facilities. The Rose-Hulman campus is located in a suburban area about five miles east of Terre Haute, Indiana.

Rose-Hulman is ranked No. 1 by U.S. News & World Report magazine for the seventh consecutive year as the nation's best college that offers the master's degree in engineering as its highest degree. The 1998 issue of the Kaplan/Newsweek Guide to College listed Rose-Hulman as one of the nation's hot colleges. Rose-Hulman is among the nation's most interesting colleges, according to the editors of a new college guide published by Kaplan and Simon and Schuster. The guide describes Rose-Hulman as "a science powerhouse" and a college where a degree holds a prestige few other schools can match.

- For the seventh consecutive year, Rose-Hulman has been ranked No. 1 for its Undergraduate Engineering Program for 7th Consecutive Year in U.S. News & World Report's "America's Best Colleges"
- Rose-Hulman was named #1 in five of the engineering departments that are evaluated by engineering deans and senior faculty: mechanical, electrical, civil, computer, and chemical.
- The 2004 edition of the Kaplan/Newsweek College Guide lists Rose-Hulman as one of the 12 "Hot Schools" in the country.

## Rose-Hulman Ventures

[www.purdue.edu/discoverypark](http://www.purdue.edu/discoverypark)

Rose-Hulman Ventures, a department of Rose-Hulman Institute of Technology, provides educational opportunities for students and faculty while assisting technology-driven businesses. This unique combination creates career opportunities for new graduates and the development of innovative technologies and technology companies. We are located on 180-acres in a 35,000 square-foot facility at Aleph Park, a Certified Technology Park, in Terre Haute, Indiana.

Rose-Hulman Ventures provides an exciting learning environment for students because the projects provide a realistic parallel between the technological learning environment and the technological workplace.

Since its inception, Rose-Hulman Ventures has provided 1,000 internship opportunities to 395 students ranging from the technical development of medical technology to analytical instrumentation. These students from Rose-Hulman and other academic institutions, have been significant contributors to the technology and business development activities for our clients. At graduation, these internship experiences also help our graduates make a more immediate contribution to their new employer.

## Electrical & Computer Engineering

[www.rose-hulman.edu/ece](http://www.rose-hulman.edu/ece)

The Electrical and Computer Engineering (ECE) Department offers BS and MS degrees in Electrical Engineering and a BS degree in Computer Engineering. Each of these degrees will prepare students for a wide range of careers in industry and government while also preparing them for further study in engineering, business, medicine, or law.

## Chemical Engineering

[www.rose-hulman.edu/ece](http://www.rose-hulman.edu/ece)

The Chemical Engineering Department is the third largest department at Rose-Hulman with approximate 250 students at the present time.

The Unit Operations Laboratory at Rose-Hulman has a long history of being an integral part of the undergraduate chemical engineering program. This is in keeping with our conviction that students learn best by doing. The department moved into a new building in 1984, which was constructed with funds donated by the Olin Foundation. The faculty designed the new facilities around the Unit Operations Laboratory. Some existing equipment was moved into the new lab but for the most part new pilot plant size projects were built in the new lab.

### Department of Chemistry

[www.rose-hulman.edu/chem](http://www.rose-hulman.edu/chem)

The Department of Chemistry offers an excellent program for undergraduate science and engineering students.

Rose-Hulman offers the essential introductory classes that every chemistry student needs, including general chemistry, organic chemistry, analytical chemistry, physical chemistry, biochemistry and inorganic chemistry. Because Rose-Hulman attracts excellent students, these classes are considerably more demanding than comparable classes offered at most other colleges.

Rose-Hulman also offers outstanding research opportunities for undergraduate students, in some cases beginning during the freshman year. Recent examples include: study of organic material in Antarctic lake water; the use of microfluidics for trace detection of biomolecules; a computational study of the properties of carbon nanotubes; possible metabolic roles of glucose bisphosphate.

The Rose-Hulman chemistry department has 12 faculty members supervising approximately 30 chemistry majors and they put a very high premium on individual instruction. All classes and labs are taught by full-time professors.

The chemistry department aspires to purchase the very best equipment that undergraduate students can use. To a large extent Rose-Hulman has accomplished this goal. Other schools will have more equipment, but it will be run by technicians, post-docs, or graduate students. Few undergraduate institutions have as large and diverse an equipment list as Rose-Hulman. All of the equipment is intended for hands-on student use, either in class or as part of a research project, and as soon as possible in the student's college career. Our students (once trained) have keys to labs and permission to use the equipment.

The Rose-Hulman chemistry department has excellent and ambitious students. The department is active in Alpha Chi Sigma (the chemistry professional fraternity) and also has a student affiliate chapter of the American Chemical Society.

Many students choose to attend graduate school after receiving their Bachelor's degree at Rose-Hulman. All Rose-Hulman students who have chosen to attend graduate school have received a full tuition waiver, along with a research or teaching assistantship that pays a salary. Recent graduates have chosen to attend the University of Illinois, University of Notre Dame, California Institute of Technology, Ohio State University, Colorado State University and the University of Alabama. This diverse list illustrates the opportunities that are available to Rose-Hulman chemistry graduates.

### Applied Biology & Biomedical Engineering

[www.rose-hulman.edu/abbe](http://www.rose-hulman.edu/abbe)

The applied biology program will produce biologists with the chemistry, mathematics, and physics background needed to solve biotechnological problems in the coming decades. The biomedical engineering program will produce engineers with the medical and biological knowledge needed to solve many of the health care problems that face our society. Both programs will prepare graduates for careers in the biotechnology and health-related industries, as well as in government and industrial research laboratories.

### Computer Science & Software Engineering

[www.cs.rose-hulman.edu](http://www.cs.rose-hulman.edu)

The Rose-Hulman Department of Computer Science and Software Engineering was founded in 1977 to provide students education in the growing field of computers. The Computer Science and Software Engineering Department has grown to keep up with the increasing demand of Computer Scientists and Software Engineers. The department currently consists of 11 professors, and approximately 200 students.

### Applied Biology & Biomedical Engineering

[www.rose-hulman.edu/abbe](http://www.rose-hulman.edu/abbe)

The applied biology program will produce biologists with the chemistry, mathematics, and physics background needed to solve biotechnological problems in the coming decades. The biomedical engineering program will produce engineers with the medical and biological knowledge needed to solve many of the health care problems that face our society. Both programs will prepare graduates for careers in the biotechnology and health-related industries, as well as in government and industrial research laboratories.

## University of Notre Dame

[www.nd.edu](http://www.nd.edu)

The University of Notre Dame, founded in 1842 by a priest of the Congregation of Holy Cross, is an independent, national Catholic university located at Notre Dame, Indiana, adjacent to the city of South Bend and approximately 90 miles east of Chicago.

Admission to the University is highly competitive, with five applicants for each freshman class position. Sixty-nine percent of incoming freshmen were in the top 5 percent of their high school graduating classes.

The University's minority student population has nearly tripled in the past 17 years, and women, first admitted to undergraduate studies at Notre Dame in 1972, now account for 47 percent of undergraduate and overall enrollment.

The University is organized into four undergraduate colleges — Arts and Letters, Science, Engineering, and the Mendoza College of Business — the School of Architecture, the Law School, the Graduate School, 10 major research institutes, more than 40 centers and special programs, and the University Library system. Fall 2004 enrollment was 11,479 students.

One indicator of the quality of Notre Dame's undergraduate programs is the success of its students in postbaccalaureate studies. The medical school acceptance rate of the University's preprofessional studies graduates is 75 percent, almost twice the national average, and Notre Dame ranks first among Catholic universities in the number of doctorates earned by its undergraduate alumni - a record compiled over some 80 years.

The Graduate School, established in 1918, encompasses 46 master's and 25 doctoral degree programs in and among 30 University departments and institutes.

The source of the University's academic strength is its faculty, which since 1988 has seen the addition of some 500 members and the establishment of more than 150 new endowed professorships. Notre Dame faculty members have won 20 fellowships from the National Endowment for the Humanities in the past five years, more than for any other university in the nation.

At Notre Dame, education always has been linked to values, among them living in community and volunteering in community service. Residence hall life, shared by four of five undergraduates, is both the hallmark of the Notre Dame experience and the wellspring of the University's rich tradition. A younger tradition, the University's Center for Social Concerns, serves as a catalyst for student voluntarism. About 80 percent of Notre Dame students engage in some form of voluntary community service during their years at the University, and at least 10 percent devote a year or more after graduation to serving the less fortunate in the U.S. and around the world.

With 1,250 acres containing two lakes and 137 buildings with a total property replacement value of \$2.2 billion, Notre Dame is well known for the quality of its physical plant and the beauty of its campus. The Basilica of the Sacred Heart, the 14-story Hesburgh Library with its 132-foot-high mural depicting Christ the Teacher, and the University's newly renovated 125-year-old Main Building with its famed Golden Dome are among the most widely known university landmarks in the world.

- Notre Dame is rated among the nation's top 25 institutions of higher learning in surveys conducted by U.S. News and World Report, Princeton Review, Time, Kiplinger's, and Kaplan/Newsweek.
- The Wall Street Journal has cited Notre Dame one of the "New Ivies" in American higher education, along with, among others, Duke, Northwestern and Johns Hopkins.
- Among national universities, Notre Dame ranks twelfth in U.S. News and World Report's annual assessment of "best value," based upon the quality of its academic reputation when compared to its net cost of attendance for a student receiving the average level of financial aid.
- Notre Dame ranks first among U.S. Catholic colleges and universities in the number of undergraduates who have gone on to earn a doctorate since 1920, according to independent studies conducted by Georgetown University and the Delta Epsilon Sigma scholastic honor society.
- An influential book from Johns Hopkins University Press ranks Notre Dame sixth among 11 rising private research universities.

### College of Science

[www.science.nd.edu](http://www.science.nd.edu)

The University of Notre Dame awarded its first bachelor of science degree in 1865. Today, the College of Science offers undergraduate programs in five host departments and within the interdisciplinary collegiate sequence.

**Biological Sciences:** Supporting study in the diverse and currently expanding fields of life sciences ranging from molecular genetic approaches in cancer biology and infectious disease control to population studies and environmental issues.

**Chemistry and Biochemistry:** Graduate and undergraduate degrees are offered in both Chemistry and Biochemistry. Thirty-one faculty perform research encompassing all traditional subdisciplines of chemistry and biochemistry while offering students opportunities for research in emerging interdisciplinary areas.

**Mathematics:** Programs prepare students for graduate studies and professional work in the diverse fields relying on advanced mathematics. Faculty research areas range from algebraic geometry to applied mathematics.

**Physics:** A broad spectrum of research opportunities and programs of study in fields ranging from nuclear to astrophysics, allowing research initiatives in both theoretical advancements and the development of important technological materials.

**Preprofessional Studies:** Formally established in 1960 to sustain excellence in the undergraduate curriculum preparing undergraduates for careers in medicine and related fields.

### Mendoza College of Business

[www.nd.edu/~cba](http://www.nd.edu/~cba)

Notre Dame's Mendoza College of Business prepares men and women for careers in business and meaningful, productive lives in service to others. It is home to more than 2300 students engaged in undergraduate, graduate and executive studies. Dean Carolyn Woo leads a renowned faculty of teachers and scholars.

The Mendoza College offers undergraduate degrees in Accountancy, Finance, Management, Management Information Systems (MIS) and Marketing.

Graduate degree programs include: Master's in Business Administration (MBA), Master of Science in Accountancy, and Master of Nonprofit Administration (MNA). The Mendoza College offers an Executive MBA in Chicago and on Notre Dame campus as well as at four distance learning classrooms in the Midwest. Additional non-degree and custom executive education courses are also offered.

- Ranked fifth worldwide among the top-ranked 30 MBA programs by Aspen Institute (2005)
- Ranked 24th among the top-ranked 30 graduate business schools by BusinessWeek
- Ranked 20th among the top-ranked Executive MBA programs by Financial Times
- Ranked 37th worldwide among the top-ranked 100 Executive MBA programs by U.S. News & World Report
- Ranked 32nd of the Best Business Schools by U.S. News & World Report

# Indiana Venture Capital Resources

## 1st Source Capital Corporation

[www.1stsource.com](http://www.1stsource.com)

1st Source Capital Corporation is a Small Business Investment Company (SBIC), which provides equity financing to companies. 1st Source looks for companies with experienced, visionary management teams and a proven track record, primarily in the manufacturing, sales and distribution sectors. 1st Source Capital Corporation focuses its resources on companies in Indiana and neighboring Midwestern states.

1st Source Capital Corporation  
P.O. Box 1602  
South Bend, Indiana 46634  
Ph: (574) 235.2000  
[www.1stsource.com](http://www.1stsource.com)

## 21st Century Research & Technology Fund

[www.21fund.org](http://www.21fund.org)

Indiana 21st Century Research &  
Technology Fund  
One North Capitol Avenue  
Suite 700  
Indianapolis, Indiana 46204  
Ph: (317) 233.4332  
Fax: (317) 232.6786  
[www.21fund.org](http://www.21fund.org)

The Indiana 21st Century Research and Technology Fund was created in 1999 by the Indiana General Assembly to stimulate the process of diversifying Indiana's economy by developing and commercializing advanced technologies in Indiana. The Fund makes awards in two broad categories: Science and Technology Commercialization and Centers of Excellence. In addition, the Fund provides cost-share on behalf of federal proposals submitted by Indiana-based entities. The Fund emphasizes the creation of academic-sector: commercial-sector partnerships. In making awards, the Fund expects significant leverage from the partners involved in the projects.

## A.M. Pappas & Associates, LLC

[www.ampappas.com](http://www.ampappas.com)

A.M. Pappas invests in early-stage life sciences companies throughout the United States. Their primary interest is in the biotechnology and pharmaceutical sector. This includes companies developing platform technologies arising from the fields of genomics, proteomics and computational chemistry that accelerates and/or reduces the cost of the drug discovery process. A.M. Pappas also has a substantial interest in medical devices, drug delivery and information technology-oriented life sciences technologies.

A.M. Pappas & Associates LLC  
Indiana Venture Center  
902 North Capitol Avenue  
Suite 302  
Indianapolis, Indiana 46204  
Ph: (317) 684.6704  
[www.ampappas.com](http://www.ampappas.com)

*A.M. Pappas received funding from the Indiana Future Fund.*

## Arboretum Ventures

[www.arboretumvc.com](http://www.arboretumvc.com)

Arboretum Ventures  
334 East Washington Street  
Ann Arbor, Michigan 48104  
Ph: (734) 998.3688  
Fax: (734) 998.3689  
[www.arboretumvc.com](http://www.arboretumvc.com)

Arboretum Ventures is a private equity firm targeting investments seed and early-stage investments in life sciences companies. The firm's areas of focus include medical devices, pharmaceuticals and biotechnologies. Arboretum Ventures principally seeks to invest in opportunities in Indiana, Michigan, Ohio, Illinois and other Midwest states, but will invest outside of this region when attractive and strategic opportunities arise.



# Indiana Venture Capital Resources

## Bindley Capital Partners

[www.bindleycapitalpartners.com](http://www.bindleycapitalpartners.com)

Bindley Capital Partners is a private firm focused on the following activities:

- Acquiring or investing in outstanding private companies
- Co-investing with equity sponsors
- Committing capital to established third-party managers in the private and public markets

Bindley Capital focuses on companies with stable, established business models in industries where its principals have particular expertise, including business and financial services and distribution healthcare.

**Bindley Capital Partners**

8909 Purdue Road

Suite 500

Indianapolis, Indiana 46268

Ph: (317) 704.4163

Fax: (317) 704.4602

[www.bindleycapitalpartners.com](http://www.bindleycapitalpartners.com)

## Burrill & Company

[www.burrillandco.com](http://www.burrillandco.com)

**Burrill & Company**

One Embarcadero Center

Suite 2700

San Francisco, California 94111

Ph: (415) 591.5400

Fax: (415) 591.5401

[www.burrillandco.com](http://www.burrillandco.com)

Burrill & Company is a life sciences merchant bank focused exclusively on companies involved in biotechnology, pharmaceuticals, diagnostics, devices, human healthcare and related medical technologies, nutraceuticals and wellness, agricultural biotechnology, and industrial biotechnology. Burrill is a leader in life science strategic partnering, an invaluable practice to build value in portfolio companies and to accelerate their growth and development.

*Burrill & Company received funding from the Indiana Future Fund.*

## Cardinal Ventures, LLC

[www.cardvent.com](http://www.cardvent.com)

Cardinal Ventures is a privately owned partnership that seeks to acquire lower and middle-market businesses located in the central portion of the United States. Cardinal's goal is to buy, build and operate a small number of companies for long-term value creation. While they are not limited to the following, Cardinal provides significant value to the following transaction types:

- Management buyouts
- Recapitalizations
- Family legacy situations
- Divestitures and spin-offs of divisions, subsidiaries, or product lines

**Cardinal Ventures, LLC**

8910 Purdue Road

Suite 690

Indianapolis, Indiana 46268

Ph: (317) 228.5070

Fax: (317) 228.5080

[www.cardvent.com](http://www.cardvent.com)

## Centerfield Capital Partners, L.P.

[www.centerfieldcapital.com](http://www.centerfieldcapital.com)

**Centerfield Capital Partners, L.P.**

3030 Market Tower

10 West Market Street

Indianapolis, Indiana 46204

Ph: (317) 237.2323

Fax: (317) 237.2325

[www.centerfieldcapital.com](http://www.centerfieldcapital.com)

Centerfield Capital Partners provides growth and business expansion capital to privately held companies in the central region of the United States. Centerfield's investment portfolio reflects the diversity of the Midwest's economy. They have a strong interest in the following industries:

- Healthcare products and services
- Information technologies and telecommunications
- Business and financial services
- Manufacturing and value-added distribution

# Indiana Venture Capital Resources

## CID Equity Partners

[www.cidequity.com](http://www.cidequity.com)

CID Equity Partners is actively managing seed, venture and mezzanine capital funds, which together total nearly \$440 million. Through a variety of different forms of capital, CID Capital has financed the growth plans of emerging technology companies, funded management buyouts, supported acquisition strategies and helped position companies for their initial public offerings. Industries of interest including information technology, life sciences, business services and manufacturing.

CID Equity Partners  
One American Square  
Suite 2850  
Indianapolis, Indiana 46282  
Ph: (317) 269.2350  
Fax: (317) 269.2355  
[www.cidequity.com](http://www.cidequity.com)

## COMMAND Equity Group, LLC

[www.commandequity.com](http://www.commandequity.com)

COMMAND Equity Group, LLC  
1213 South High Street  
Bloomington, Indiana 47401  
Ph: (812) 339.3690  
Fax: (812) 339.3794  
[www.commandequity.com](http://www.commandequity.com)

COMMAND Equity Group is an Indiana-based private venture capital management company with an emerging national investment network that focuses on making investments in start-up and early-stage technology companies. COMMAND helps to build companies by providing the capital, expertise and experience needed for faster development and higher profitability.

## Dow Venture Capital

[www.dow.com/venture](http://www.dow.com/venture)

Dow Venture Capital is the investment arm of the Dow Chemical Company and provides capital and other development resources to start-up companies that meet Dow investment objectives. They are active in sustaining these companies throughout their early critical years, from seed to later stage investment. Dow Venture Capital has committed over \$300 million to businesses involved in life sciences and biotechnology, communications and information technology, electronics, and material science.

Dow Venture Capital  
The Dow Chemical Company  
2030 Dow Center  
Midland, Michigan 48674  
Ph: (989) 636.1000  
[www.dow.com/venture](http://www.dow.com/venture)

## Gazelle TechVentures

[www.gazellevc.com](http://www.gazellevc.com)

Gazelle Tech Ventures  
11611 North Meridian Street  
Carmel, Indiana 46032  
Ph: (317) 275.6800  
Fax: (317) 275.1100  
[www.gazellevc.com](http://www.gazellevc.com)

Gazelle TechVentures was created when a number of senior Indiana business leaders assembled to address the funding gap as a business opportunity. This group set out to create an aggressive and well-capitalized venture capital company based on the best national models of success. As members of the General Partner's Executive Committee, they have committed their time and their capital to the objective of making Gazelle "the hub of venture capital activity in Indiana and one of the most respected, leading funds in the Midwest."

# Indiana Venture Capital Resources

## Hammond, Kennedy, Whitney & Co. Inc.

[www.hkwinc.com](http://www.hkwinc.com)

Hammond, Kennedy, Whitney (HKW) and Company is a private capital firm focused on sponsoring management buy-outs of privately owned businesses, subsidiaries and divisions of corporations and public companies with revenues between \$20 million and \$100 million. HKW concentrates its investment efforts on private and public, small-middle market manufacturing companies with low risk of technology obsolescence. HKW is headquartered in the United States and are established leaders in their respective niche markets.

Hammond, Kennedy, Whitney &  
Company Inc.  
8888 Keystone Crossing  
Suite 1210  
Indianapolis, Indiana 46240  
Ph: (317) 574.6900  
Fax: (317) 574.7515  
[www.hkwinc.com](http://www.hkwinc.com)

## Indiana Future Fund

[www.indianafuturefund.com](http://www.indianafuturefund.com)

Indiana Future Fund  
c/o CSFB Customized Fund  
Investment Group  
11 Madison Avenue  
New York, New York 10010-3629  
Ph: (212) 325.2000  
[www.indianafuturefund.com](http://www.indianafuturefund.com)

The Indiana Future Fund is a \$73 million fund-of-funds that has invested in regional and national venture capital funds, encouraging direct investment in Indiana life sciences opportunities. The Indiana Future Fund seeks to foster the creation and growth of life sciences companies in Indiana, encourage the growth of a vibrant Indiana-based venture capital community and facilitate public and private partnerships within the state.

## Indiana Seed Fund

The Indiana Seed Fund is a seed-stage private investment fund designed to be a source of critical pre-venture investment capital for emerging Indiana life science companies. The term "life sciences" encompasses, but is not limited to, the fields of biotechnology, pharmaceuticals, nutraceuticals, agribiotech and biomedical diagnostics and devices.

Indiana Seed Fund  
300 North Meridian Street  
Suite 950  
Indianapolis, Indiana 46204  
Ph: (317) 238.2450

## Indiana Venture Center, Inc.

[www.indianaventurecenter.org](http://www.indianaventurecenter.org)

Indiana Venture Center, Inc.  
902 North Capitol Avenue  
Suite 302  
Indianapolis, Indiana 46204  
Ph: (317) 684.6700  
Fax: (317) 684.6701  
[www.indianaventurecenter.org](http://www.indianaventurecenter.org)

The Indiana Venture Center, Inc. is a privately funded, not-for-profit organization serving as a catalyst for the creation and growth of entrepreneurial, high growth businesses in Indiana. The Indiana Venture Center strives to increase both the number and the quality of successful entrepreneurial companies in Indiana and provide new career opportunities to high knowledge workers. The Indiana Venture Center is on its way to becoming the leading organization in Indiana that provides assistance to potential high growth companies, both new and existing, and helps them move from concept to venture success.

# Indiana Venture Capital Resources

## IrishAngels Network

The IrishAngels network comprises a select group of Notre Dame alumni and friends who are experienced in entrepreneurial endeavors and interested in supporting new venture development. The mission of the IrishAngels network is two fold:

- To create a forum for entrepreneurial-minded members of the Notre Dame family to contact each other for networking purposes and foster the development of new business opportunities.
- To support the work of the Mendoza College of Business and the Gigot Center for Entrepreneurial Studies by providing Notre Dame students with mentoring and networking assistance that is essential for building successful new businesses.

[www.business.nd.edu/IA](http://www.business.nd.edu/IA)

IrishAngels Network  
Gigot Center for Entrepreneurial  
Studies  
University of Notre Dame  
Notre Dame, Indiana 46556  
Ph: (574) 631.3042  
[www.business.nd.edu/IA](http://www.business.nd.edu/IA)

## Irwin Ventures

[www.irwinfinancial.com](http://www.irwinfinancial.com)

Irwin Ventures  
P.O. Box 929  
Columbus, Indiana 47202-0929  
Ph: (812) 373.1434  
[www.irwinfinancial.com](http://www.irwinfinancial.com)

Irwin Ventures invests in early-stage companies in financial services or financial services-related technology, primarily those using technology to change the landscape of their market niche.

## Lilly Ventures

[www.lillyventures.com](http://www.lillyventures.com)

Lilly Ventures is the venture capital arm of Eli Lilly and Company. Lilly Ventures targets investments in early expansion stage start-up companies with innovative network technology that can transform the current pharmaceutical business model. Lilly BioVenture Fund targets investments in early to expansion stage start-up companies with high differentiated and proprietary drug discovery and development technologies or breakthrough therapies. Lilly MedTech Venture Fund invests primarily in early to expansion stage start-up companies specialized in the convergence of treatment modalities or novel therapeutic devices.

Lilly Ventures  
DC 1088  
Lilly Corporate Center  
Indianapolis, Indiana 46285  
Ph: (317) 651.3050  
Fax: (317) 651.3051  
[www.lillyventures.com](http://www.lillyventures.com)

## Monument Advisors, Inc.

[www.monumentadv.com](http://www.monumentadv.com)

Monument Advisors, Inc.  
Chase Tower  
111 Monument Circle, Suite 4500  
Indianapolis, Indiana 46204-5172  
Ph: (317) 656.5065  
Fax: (317) 656.5060  
[www.monumentadv.com](http://www.monumentadv.com)

Monument Advisors, Inc. is an Indianapolis-based private equity firm focused on management buy-ins, management buyouts, leveraged buyouts, and recapitalizations in the lower middle ("microcap") market. We partner with management teams to acquire and help build companies within the service, distribution and manufacturing industries with enterprise values between \$8 and \$20 million. Collectively, the Managing Directors of Monument Advisors have over 50 years of experience investing in the lower middle market, and have developed investment expertise across a broad range of issues and industries.

# Indiana Venture Capital Resources

## Pearl Street Venture Funds

[www.psvf.com](http://www.psvf.com)

Pearl Street Venture Funds ("PSVF") is an Indiana-based, early-stage venture capital fund investing in life science companies in the biotech, medical device, pharmaceutical and agri-bio sectors. Pearl Street was formed as a joint venture between Indianapolis advisory and management firm Barnard Associates and Los Angeles-based Coastview Capital. Pearl Street Venture Funds is exclusively focused on supporting and nurturing innovative entrepreneurs. The company's goal is to help people pursue their entrepreneurial dreams, while creating an impressive return for their investors.

Pearl Street Venture Funds  
20 North Meridian Street  
Indianapolis, Indiana 46204  
Ph: (317) 684.3179  
[www.psvf.com](http://www.psvf.com)

*Pearl Street Venture Funds received funding from the Indiana Future Fund.*

## Periculum Capital Company, LLC

[www.periculumcapital.com](http://www.periculumcapital.com)

Periculum Capital Company, LLC  
Chase Tower  
111 Monument Circle, Suite 1022  
Indianapolis, Indiana 46204-5176  
Ph: (317) 636.1800  
Fax: (317) 636.1801  
[www.periculumcapital.com](http://www.periculumcapital.com)

Periculum Capital Company is a leading Midwestern investment banking firm, serving the corporate finance needs of growth and other middle market companies. The company was founded in 1998 with the vision of bringing high levels of financial advisory and transaction skills to companies with enterprise values of up to \$150,000,000. The founders established Periculum as an investment banking firm in order to bring the highest level of quality, integrity, and ethics to our clients' corporate finance needs. Periculum is a registered broker-dealer with the National Association of Securities Dealers through its operating subsidiary.

## REI Ventures

REI Ventures is an Indiana-based venture capital firm focusing on early-stage investments in the life sciences including pharmaceuticals, genetics, medical devices and agricultural chemicals. REI Ventures was formed as a joint venture between Terre Haute-based technology and business incubator Rose-Hulman Ventures and Ann Arbor-based EDF Ventures. REI Ventures makes equity investments in start up companies focused on life sciences, such as pharmaceuticals, genetics, medical devices and agricultural chemicals.

REI Ventures  
c/o Rose-Hulman Ventures  
100 South Campus Drive  
Terre Haute, Indiana 47803  
Ph: (812) 244-4000  
[www.rhventures.org](http://www.rhventures.org)  
[www.edfvc.com](http://www.edfvc.com)

*REI Ventures received funding from the Indiana Future Fund.*

## Rose-Hulman Ventures

[www.rhventures.org](http://www.rhventures.org)

Rose-Hulman Ventures  
100 South Campus Drive  
P.O. Box 3799  
Terre Haute, Indiana 47803  
Ph: (812) 244.4000  
[www.rhventures.org](http://www.rhventures.org)

Rose-Hulman Ventures, a department of Rose-Hulman Institute of Technology, provides educational opportunities for students and faculty while assisting technology-driven businesses. This unique combination creates career opportunities for new graduates and the development of innovative technologies and technology companies. Rose-Hulman Ventures is located on 180-acres in a 35,000 square-foot facility at Aleph Park, a Certified Technology Park, in Terre Haute, Indiana.



# Indiana Venture Capital Resources

## Spring Mill Venture Partners, LLC

[www.springmillvp.com](http://www.springmillvp.com)

Spring Mill Venture Partners is an early stage venture capital firm focused on investing in high-growth information technology and life sciences companies located in Indiana and the surrounding Midwest region. They focus on providing the strategic and tactical assistance that early stage companies need to grow and prosper.

*Spring Mill Venture Partners received funding from the Indiana Future Fund.*

Spring Mill Venture Partners, LLC  
11611 North Meridian Street  
Suite 310  
Carmel, Indiana 46032  
Ph: (317) 713.7550  
[www.springmillvp.com](http://www.springmillvp.com)

## Triathlon Medical Ventures

[www.tmvp.com](http://www.tmvp.com)

Triathlon Medical Ventures  
20 North Meridian Street  
Suite 810  
Indianapolis, Indiana 46204  
Ph: (317) 833.0545  
Fax: (317) 684.9195  
[www.tmvp.com](http://www.tmvp.com)

Triathlon Medical Ventures Fund, L.P. is a venture capital fund that targets investments in early-stage biomedical technology companies located in the Midwest. The Fund also invests in mid-to-late-stage biomedical technology companies based throughout the U.S. The Fund's specific focus is on high growth sectors within biomedical technology such as medical devices, diagnostics and biopharmaceuticals and emerging fields such as genomics, proteomics, regenerative medicine and drug discovery.

*Triathlon Medical Ventures received funding from the Indiana Future Fund.*

## Venture Club of Indiana

[www.ventureclub.org](http://www.ventureclub.org)

The Venture Club of Indiana's mission is to be a catalyst for the creation and growth of entrepreneurial businesses by providing a unique environment in which sources of capital, entrepreneurs and business professionals interact, connect, share information, collaborate and create business opportunities.

Venture Club of Indiana  
135 North Pennsylvania  
Indianapolis, Indiana 46204  
Ph: (317) 684.5011  
Fax: (317) 684.5423  
[www.ventureclub.org](http://www.ventureclub.org)

# Venture Capital

Venture capital serves as a major thrust for the development and expansion of large and small companies throughout the United States, as well as worldwide. Indiana's various venture capital funds supply promising entrepreneurs the necessary resources to put their ideas into motion. The Corporation for Enterprise Development ranked Indiana fourth highest in venture capital percentage gained from 1999 to 2004. During the same timeframe, only 13 other states had a positive gain in venture capital investments. The trend continued for Indiana in 2005, where venture capital investment rose 40 percent over 2004, for a total of \$95 million, according to the Pricewaterhouse Coopers Money Tree Survey.

Three notable examples of Indiana venture capital funds are the 21st Century Research and Technology Fund, the Indiana Future Fund and the Indiana Seed Fund. The 21st Century Research & Technology Fund is a technology-based economic development initiative focused on stimulating the transfer of technologies into marketable products. The Indiana Future Fund, formed through the BioCrossroads life sciences initiative, is a \$73 million fund-of-funds that has invested in six local and national venture capital firms. The \$6 million Indiana Seed Fund was launched in June 2005 and is managed by BioCrossroads with funding coming from BioCrossroads, the Indiana Finance Authority and the Indiana Health and Educational Facility Financing Authority. The Seed Fund provides working capital in the range of \$50,000 to \$500,000 to promising Indiana life sciences companies at the preliminary stages of operation.

## 21st Century Research & Technology Fund

[www.21fund.org](http://www.21fund.org)

The Indiana 21st Century Research & Technology Fund was created in 1999 by the General Assembly to aid in the diversification of the state's economy by developing and commercializing advanced technologies in Indiana. In 2005, the legislature moved the 21st Century Fund into the newly-created Indiana Economic Development Corporation (IEDC). The 21st Century Fund's focus on supporting high-growth, science/technology-based businesses is complemented by the IEDC's other programs supporting sustainable commercial activity. The 21st Century Fund intends to increase the numbers, and rates of development, of new and expanding technology based businesses that, in general, the normal financial markets would find too risky.

Since the commencement of the 21st Century Research and Technology Fund in 1999, \$137 million has been provided to form research and development partnerships between state's academic and commercial sectors, to create unique resources supporting scientific/technical discovery, and to commercialize technology and to support the development of small technology-based businesses. The 21st Century Research and Technology Fund also matches federal Phase I Small Business Innovation Research (SBIR)/Small Business Technology Transfer awards (up to \$100,000).

As for the life sciences industry, approximately 40 percent of the awardees of the 21st Century Research and Technology Fund are companies and universities that reflect Indiana's diverse life sciences industry. In Round Six of award distribution, \$15.1 million was granted to bioscience companies and life science-focused university projects.

The 21st Century Research and Technology Fund has succeeded in stimulating many new collaborative relationships between industry and academia within Indiana.

## Making Capital Available to Bioscience Companies

### The Indiana Future Fund

[www.indianafuturefund.com](http://www.indianafuturefund.com)

The Indiana Future Fund, is a \$73 million capital pool that has invested in both local and national venture funds, which in turn directly invest in Indiana life sciences opportunities. The investors include the state pension funds, Eli Lilly and Company, Anthem Blue Cross and Blue Shield, Indiana University, Indiana University Foundation, Purdue University, Ball State University Foundation, Guidant Corporation, American United Life Insurance Company, and Indiana State University Foundation.

The Indiana Future Fund to date has invested in six venture capital funds:

- **Pappas Ventures**, early to late stage life sciences investor
- **Burrill & Company**, life sciences merchant bank focused exclusively on companies involved in biotechnology, pharmaceutical and informatics
- **Pearl Street Venture Funds**, Indiana-based, early-stage venture capital fund investing in life sciences companies
- **EDF Ventures**, venture capital firm focusing on early-stage investments in information technology and health care
- **Spring Mill Venture Fund**, focuses on equity securities of privately owned, emerging small businesses in life sciences and information technology
- **Triathlon Medical Ventures**, a Midwest-based venture capital fund that targets investments in early stage biomedical technology companies

These six funds have made five investments in Indiana companies. Most notably, Pappas Ventures, Pearl Street and Spring Mill, along with New Jersey-based Domain Associates, invested \$16.5 million in CoLucid Pharmaceuticals. This new company is based on a migraine molecule from Eli Lilly & Company.

From its inception, the Indiana Future Fund identified the need to explore investment opportunities between Indiana Future Fund and non-Future Fund venture capital firms to make the kinds of large investments that typify the capital needs of emerging life sciences companies. The inclusion of a top-tier national fund like Domain Associates is a critical step in leveraging the Indiana Future Fund monies with outside capital to build new and emerging Indiana-based life sciences companies.

### Indiana Seed Fund

[www.biocrossroads.com/entrepreneur/isf.htm](http://www.biocrossroads.com/entrepreneur/isf.htm)

The \$6 million pre-venture fund, the Indiana Seed Fund, was formed in 2005 and provides working capital to promising Indiana life sciences companies in early stages of operation. It was formed to help narrow the gap between the discovery of an idea and the actual venture capital funding and to prepare companies for venture investments through vehicles like the Indiana Future Fund. The fund has invested in SonarMed, an Indiana start-up focused on the development of a novel technology that uses sound waves to make it easier to position, insert and adjust tubes in patients.

### Indiana Economic Development Corp.

[www.iedc.in.gov](http://www.iedc.in.gov)

The Indiana Economic Development Corporation (IEDC) is the state of Indiana's lead economic development agency. The IEDC was officially established in February 2005 to replace the former Department of Commerce. In order to respond quickly to the needs of businesses, the IEDC operates like a business. Led by Indiana Secretary of Commerce and IEDC President Michael S. Maurer, the IEDC is organized as a public private partnership governed by a 12-member board. The IEDC Board of Directors is chaired by Governor Mitch Daniels and reflects the geographic and economic diversity of Indiana.

# Venture Capital

## Growing New Bioscience Opportunities From Existing World-Class Assets

BioCrossroads, Indiana's life sciences initiative, targets academic and commercial development. BioCrossroads was formed through a consortium of statewide partners in 2002 the Central Indiana Corporate Partnership; the central Indiana region's CEO leadership group with support from Eli Lilly and Company, Indiana University and Purdue University; the Indiana Health Industry Forum and the city of Indianapolis.

Indiana has an advantage that very few other regions in the U.S. have: major industry and academic players at every stage of the life sciences business cycle. Indiana's broad list of existing life sciences businesses places us right in the midst of the nation's leading life sciences regions.

According to the Standard & Poor's recent credit rating report for Indiana, in 2005, there were \$214 million new investments in life sciences companies creating 2,200 jobs. In addition, according to the report, central Indiana's \$13.6 billion global life sciences hub supports many growing life sciences areas, including protein analysis, evidence-based medicine and cancer research.

To this end, BioCrossroads' focus remains on creating the next generation of opportunity and growth by promoting new enterprises that build on Indiana existing life sciences assets.

### Indiana Venture Center

[www.indianaventurecenter.org](http://www.indianaventurecenter.org)

The Indiana Venture Center is a privately funded non-for-profit organization, who has partnered with Indiana universities to build collaborative opportunities to foster entrepreneurial growth in the state of Indiana. The Venture Center provides business-development services to technology companies, including those in bioscience.

### Bloomington Life Sciences Partnership

[www.bloomingtonlifesciences.com](http://www.bloomingtonlifesciences.com)

The Bloomington Life Sciences Partnership, created in 2003, is a public-private partnership of health industry leaders, academia and government building relations. The partnership is creating opportunities for life sciences business formation, as well as growth and expansion in the Bloomington area.

### Indiana Health Industry Forum

[www.ihif.org](http://www.ihif.org)

The Indiana Health Industry Forum, a Biotechnology Industry Organization (BIO) affiliate, is an alliance of manufacturers, suppliers, educational institutions, health care providers and government representatives working to define factors that lead to the successful development of business partners and associates for Indiana's already prominent health industry and support programs that will allow for future growth of life sciences.

### Indiana Medical Device Manufactures Council

[www.imdmc.org](http://www.imdmc.org)

The Indiana Health Industry Forum, a Biotechnology Industry Organization (BIO) affiliate, is an alliance of manufacturers, suppliers, educational institutions, health care providers and government representatives working to define factors that lead to the successful development of business partners and associates for Indiana's already prominent health industry and support programs that will allow for future growth of life sciences.

## Newly Formed Start-Up Life Sciences Companies in Indiana

### Sentry Logistic Solutions, Inc.

[www.slsindy.com](http://www.slsindy.com)

Sentry Logistic Solutions, Inc. provides new secure, state-of-the-art cold storage facilities that will enhance supply chain capabilities. Sentry Logistic Solutions employs cutting-edge technology to serve the unique and exacting contract cold storage needs of the biotech and pharmaceutical industries.

### BioConvergence, LLC

[www.bioc.us](http://www.bioc.us)

BioConvergence, a newly formed company located in Bloomington, provides contract services to pharmaceutical and biotechnology companies. BioConvergence also provides research and development services, such as pre-clinical product development and analytical services for new drugs; and logistics services, such as room temperature and refrigerated storage for new and marketed drugs.

### Cook Pharmica, LLC

[www.cookpharmica.com](http://www.cookpharmica.com)

Cook Pharmica, located in Bloomington and a division of the Cook Group, is a contract biopharmaceutical manufacturing organization development and manufacturing mammalian cell culture-based bioharmaceuticals with numerous of potential clinical applications.

### Endocyte

[www.endocyte.com](http://www.endocyte.com)

Endocyte is developing a new generation of receptor-targeted therapeutics or "smart drugs" for the treatment of cancer and autoimmune diseases. Current non-targeted drugs are usually toxic to normal healthy cells causing serious side effects. These side effects can be life-threatening which leads to suboptimal dosing. Receptor-targeted therapeutics can be more effective because they can be targeted with lethal precision to high affinity receptors over-expressed by diseased cells. Endocyte's initial focus is on a receptor for the vitamin folic acid, which is often over-expressed on cancer cells. By attaching drugs to folic acid, the vitamin acts like a "Trojan Horse" to target and deliver drugs to cancer cells, which could allow higher and more effective doses to be given with reduced side effects.

### QuadraSpec

[www.quadraspec.com](http://www.quadraspec.com)

QuadraSpec™ is changing the face of diagnostic medicine. Its "Bio-CD" platform enables customers to perform thousands or even millions of tests simultaneously on a single drop of blood. The technology requires comparatively little sample preparation and produces quantitative results with unprecedented range and sensitivity. QuadraSpec's detection technology enables the rapid measurement of one million unique protein interactions through a patented optical detection method.

### En'Urga, Inc.

[www.enurga.com](http://www.enurga.com)

En'Urga Inc. is the industry leader in customized optical diagnostic equipment for the most challenging factory floor application. En'Urga Inc. has 10 years experience in optical diagnostics and research, serving many Fortune 50 companies and Federal Government agencies. Its expertise in emission and absorption tomography in hostile environments enables measurement and control of varied processes in a wide array of industries. En'Urga specialize in research, design, development, calibration, and installation of instruments suitable for the measurement of temperatures, gas concentrations, emissivity, and particulate characteristics.



## Newly Formed Start-Up Life Sciences Companies in Indiana

### Andara Life Sciences

[www.andarainc.com](http://www.andarainc.com)

Andara Life Sciences, Inc. is a company engaged in the development of a portfolio of programs related to the repair and regeneration of neural tissues with indications, including the treatment of spinal cord injuries, traumatic brain injuries and stroke, which were developed at the Center for Paralysis Research at Purdue University.

### Griffin Analytical

[www.griffinanalytical.com](http://www.griffinanalytical.com)

Griffin Analytical Technologies, Inc. is commercializing a compact, ruggedized, and flexible mass spectrometer platform with multiple sample inlets to meet the need for high-performance, fieldable chemical analysis. Griffin's patented core technology licensed from Purdue University's world renowned analytical chemistry department provides the key component to develop and manufacture the first truly miniaturized, portable mass spectrometer capable of multiple stages of mass spectrometry (tandem MS, or MSn). Griffin's dynamic staff of mass spectrometrists, analytical chemists and electrical, software, and mechanical engineers provides the perfect team to rapidly deliver on Griffin's goal; to provide rapid definitive chemical information in the field that yields the confidence an operator requires to properly respond to the established chemical threat.

### BioStorage Technologies

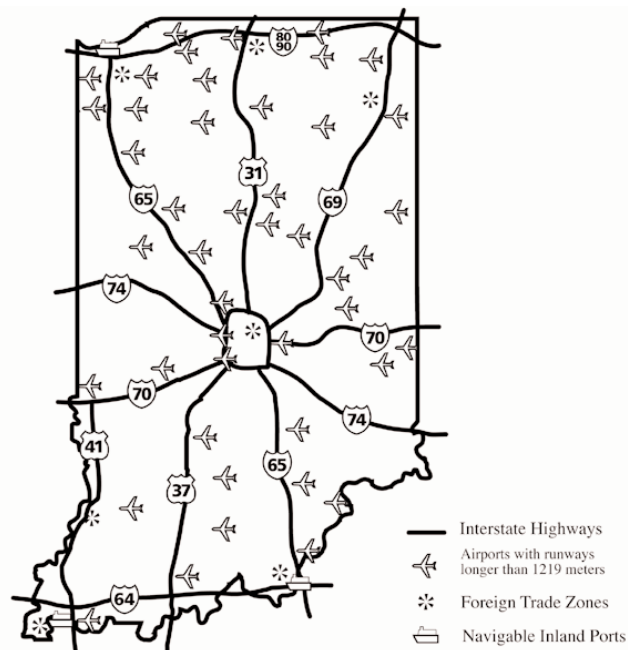
[www.biostoragetech.com](http://www.biostoragetech.com)

BioStorage Technologies (BST) is the premier provider of advanced biomaterials storage, inventory management and worldwide cold chain logistics. The company expertly stores and manages a wide range of specimens and sample types, from fixed tissue preparations and cord blood to active pharmaceutical ingredients, donor materials, serum and body fluids. BioStorage Technologies serves pharmaceutical developers and manufacturers, non-profit and corporate clinical research facilities, donor organizations, forensic laboratories, universities, zoological and veterinarian treatment and research facilities, healthcare and life sciences companies.

## Indiana's Transportation Infrastructure Advantage

Known as “The Crossroads of America,” Indiana has extraordinary multi-modal capabilities to speed distribution channels.

- Eight different interstate highways
- 11,000 total highway miles
- Biggest rail system for moving freight
- More than 4,700 miles of track for mainline railroads plus another 11,000 of Class III track
- Three international airports in Indianapolis, Fort Wayne and Terre Haute
- More than 40 additional regional and municipal airports with runways longer than 1,219 meters
- Three state-of-the-art international ports that are Foreign Trade Zones and major facilities for air cargo and package services (including Federal Express, U.S. Postal Service, American International Freightways and Towne Air Freight)
- Sixty-five percent of the U.S. population and three major Canadian cities (Toronto, Ottawa and Montreal) are within a 625-mile radius of Indiana.



## Energy Costs in Indiana

Indiana has a strong and competitive advantage of affordable and reliable energy for business development. With low-cost electric generation and high manufacturing capacity, Indiana's average power costs are the fifth lowest in the nation. Compared to other states in the Midwest, Indiana offers the lowest power costs in the industrial sector.

Average Price of Energy: Industrial Sector Electric Rates, 2003 (Cents/kWh)

Indiana	4.0
Illinois	4.9
Ohio	4.7
Michigan	4.7

Source: Energy Information Administration, 2003

## Comparative Costs for Indiana Worker Compensation Insurance

### **Low workers' compensation costs in Indiana are no accident**

Preventing work-related accidents is the best method to reduce worker's compensation claims. Several states, including Indiana, allow non-risk-based discounts known as "schedule rating plans", which are implemented on a variety of factors including: drug-free workplace programs, on-site medical facilities, safety devices, training and management safety organizations. While many states limit their total discount to 25 percent, Indiana regulations allow a maximum discount of up to 50 percent.

### **Market competition means the best rates for worker's compensation**

Indiana allows businesses to shop for the best worker's compensation rates among various insurance companies. For this to be financially beneficial to employers, however, there needs to be substantial competition. There are 280 insurance companies offering worker's compensation coverage in Indiana, and approximately 700 insurance agents licensed to write worker's compensation insurance. Not only is this one of the highest totals in the nation, but also new insurance carriers enter the Indiana market each year. This competitive market is just one of the reasons Indiana companies often enjoy better rates and service than their out-of-state competitors.